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DEPARTMENT OF THE INTERIOR,
CENSUS OFFICE.

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Appointed October 5, 1893.

REPORT
ON
VITAL AND SOCIAL STATISTICS
IN
THE UNITED STATES
AT THE
ELEVENTH CENSUS: 1890.

PART II.—VITAL STATISTICS.

CITIES OF 100,000 POPULATION AND UPWARD.

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LETTER OF TRANSMITTAL.

DEPARTMENT OF THE INTERIOR,

CENSUS OFFICE,

WASHINGTON, D. C., November 10, 1894.

SIR: I have the honor to transmit herewith Part II of the Report on Vital and Social Statistics, containing the vital statistics of the 28 cities of the United States having a population of 100,000 and upward on June 1, 1890.

I am, very respectfully, your obedient servant,

CARROLL D. WRIGHT,

Commissioner of Labor in charge.

Hon. HOKE SMITH,
Secretary of the Interior.

VITAL STATISTICS
OF
CITIES OF 100,000 INHABITANTS AND UPWARD
FOR THE
CENSUS YEAR ENDING MAY 31, 1890.

BY DR. JOHN S. BILLINGS, U. S. ARMY, EXPERT SPECIAL AGENT.

The following report, with tables and illustrations, relates to the vital statistics of the 28 cities in the United States having a population of 100,000 and upward on June 1, 1890, namely, New York, Chicago, Philadelphia, Brooklyn, St. Louis, Boston, Baltimore, San Francisco, Cincinnati, Cleveland, Buffalo, New Orleans, Pittsburg, Washington (D. C.), Detroit, Milwaukee, Newark, Minneapolis, Jersey city, Louisville, Omaha, Rochester, St. Paul, Kansas city (Mo.), Providence, Denver, Indianapolis, and Allegheny.

In these cities the returns of deaths were obtained from the local registration records, based upon certificates of deaths by physicians, under a compulsory registration law, the regular census mortality schedule having been withdrawn from the enumerators in most of the cities. In Denver, Kansas city, and Omaha both registration returns and enumerators' returns were secured and compared in order to make the record as complete as possible.

In most of these cities the form of certificate used furnished nearly all the information required by the regular census schedule, but in Chicago, Philadelphia, St. Louis, Baltimore, New Orleans, Louisville, Omaha, Kansas city, Denver, and Allegheny the important data relative to nativity of parents could not be obtained. In New Orleans the conjugal condition of the decedents was not recorded, and in Denver, Omaha, Providence, and Rochester the data of conjugal condition were not separately compiled. In Providence, Denver, Omaha, and Rochester the locality where the death occurred was not specified so as to permit of classification by wards, and in San Francisco the population was returned by assembly districts, which did not conform to the wards.

The registration officers in the different cities do not appear to lay the same stress upon all the items contained in their form of death certificates, owing, perhaps, to the fact that there are certain of these items of which they make little or no use in their monthly or annual reports. The items of sex, age, color, and cause of death are insisted on everywhere, but in some cities little attention seems to be given as to whether the items with regard to conjugal condition, birthplace of parents or of person, or occupation are properly filled out or not, and when this is the case a very large number are reported as "unknown" under these headings.

There are also necessarily many cases of death reported in which the age, the place of birth, the nativity of parents, or other data can not be ascertained, and these are consequently reported as "unknown". Such cases are proportionately much more frequent in the return of deaths than in the return of the population, and a proper determination of the relative death rates of different classes, such as the native and foreign born and those of native or foreign parentage, requires the distribution of the "unknown" among these different classes, which distribution has been made in the proportion indicated by the known data. It has not been possible to carry this distribution of unknown items through all of the details presented in this report, but it has been done for the more important classes treated of in the analysis.

This fact should be borne in mind in making comparisons of the rate tables and figures in the discussion with those given in the general tables, or those which may be used in further analysis, since, for the reasons stated, there are considerable differences in the figures before and after distribution of the "unknown".

Of the cities treated of in this report, Baltimore and Washington, New York and Brooklyn, and Boston and Philadelphia have been made the subject of special reports giving mortality statistics for the period of 6 years

ending May 31, 1890, in greater detail, either by wards or by subdivisions of wards known as "sanitary districts", but the census year figures were largely quoted for comparison with the 6 year data in these reports, and the ward descriptions and rates, as well as the maps for these 6 cities, are, therefore, omitted in this report.

Where the term "colored" occurs it includes all persons of negro descent, Chinese, Japanese, and Indians.

The figures given herein relate to the census year. The rates are based on the population of June 1, 1890, at the end of the year, and the discussion of the results for all 28 cities is based on the figures for the census year. The aggregate population of these cities on June 1, 1890, was 9,697,960, and the total number of deaths, exclusive of stillbirths, registered in them during the census year was 209,653, giving an average death rate of 21.62 per 1,000, which is a little too low, because the population at the end of the year instead of the mean population for the year is used as a divisor. The true death rate was probably about 22 per 1,000.

The following table shows the death rate, exclusive of stillbirths, for each city during the census year ending May 31, 1890, the cities being arranged in order of magnitude of the rates:

CITIES.	Death rate.	CITIES.	Death rate.
Total	21.62	Pittsburg.....	20.13
Newark.....	27.40	Chicago.....	19.05
New York.....	26.45	Milwaukee.....	18.78
Jersey city.....	25.03	Detroit.....	18.70
Brooklyn.....	23.89	Washington (white).....	18.57
New Orleans (white).....	23.57	Buffalo.....	18.38
Boston.....	23.44	Allegheny.....	18.17
Denver.....	23.00	Louisville (white).....	18.16
San Francisco.....	22.46	Indianapolis.....	17.32
Philadelphia.....	21.29	Rochester.....	17.32
Providence.....	21.12	Kansas city.....	17.30
Baltimore (white).....	21.05	St. Louis (white).....	16.50
Cincinnati.....	21.00	St. Paul.....	14.88
Cleveland.....	20.21	Minneapolis.....	13.54
		Omaha.....	9.43

During the year 1890 the 28 largest cities in England had an estimated mean population of 9,715,559, and the number of deaths registered in them was 210,824, giving an average death rate of 21.35 per 1,000, ranging from 30.57 in Manchester, 27.43 in Preston, and 25.78 in Bolton to 16.47 in Nottingham, 17.76 in Brighton, and 17.92 in Leicester. In the 28 largest cities in the German empire, with an estimated population of 6,310,292, the average death rate in 1890 was 23.06, ranging from 29.4 in Chemnitz, 28.9 in Königsberg, and 27.8 in Breslau to 18.5 in Frankfort on the Main, 18.7 in Barmen, and 18.9 in Bremen.

The following table shows for certain foreign cities the estimated population at the middle of the year 1890, and the recorded death rate for that year, the cities being arranged in the order of magnitude of population:

CITIES.	Population.	Death rate.	CITIES.	Population.	Death rate.
London.....	4,421,001	20.3	Turin.....	314,827	26.9
Paris.....	2,260,045	24.5	Prague.....	314,425	28.2
Berlin.....	1,548,279	21.6	Copenhagen.....	312,387	21.6
St. Petersburg.....	842,000	28.4	Munich.....	208,000	30.0
Vienna.....	822,176	24.6	Edinburg.....	271,135	20.0
Bombay.....	773,196	26.6	Dresden.....	269,250	31.2
Moscow.....	753,469	40.3	Salford.....	242,509	22.3
Liverpool.....	613,463	23.5	Bradford.....	240,515	20.4
Hamburg.....	591,647	22.4	Stockholm.....	236,350	19.6
Glasgow.....	530,208	25.3	Bristol.....	232,248	19.2
Brussels.....	477,288	27.0	Alexandria.....	231,396	39.6
Buda-Pesth.....	463,017	27.0	Hull.....	213,833	19.3
Birmingham.....	461,865	31.4	Nottingham.....	204,909	16.5
Calcutta.....	433,219	28.5	Rotterdam.....	203,486	22.4
Rome.....	417,892	33.4	Newcastle.....	162,987	25.9
Amsterdam.....	400,302	22.6	Venice.....	156,800	29.3
Madras.....	398,777	42.9	The Hague.....	156,407	21.5
Manchester.....	379,487	30.6	Leicester.....	154,344	17.9
Leeds.....	363,799	22.6	Portsmouth.....	142,952	19.6
Dublin.....	353,082	26.4	Sunderland.....	136,506	22.7
Breslau.....	324,400	27.8	Brighton.....	123,659	17.8

CITIES OF 100,000 INHABITANTS AND UPWARD.

3

The following table shows for the 28 cities the population, area, number of dwellings, and density of population, also certain data relating to water supply, sewers, parks, cemeteries, saloons, and railroads:

SUBJECTS.	Allegheny.	Baltimore.	Boston.	Brooklyn.	Buffalo.	Chicago.	Cincinnati.	Cleveland.	Denver.
Population June 1, 1890.....	105,287	434,439	448,477	808,343	255,664	1,099,850	296,908	261,353	106,713
Area in acres.....	5,096	18,867	21,231	18,084	24,982	102,765	14,834	15,923	10,576
Persons to each acre.....	20.66	23.03	18.51	44.59	10.23	10.70	20.02	16.41	10.99
Dwellings:									
Number.....	16,543	72,112	52,660	82,282	37,290	127,871	33,487	43,835	18,010
To each acre.....	3.25	3.82	2.17	4.55	1.49	1.24	2.26	2.75	1.70
Persons to each.....	6.86	6.02	8.52	9.80	6.86	8.60	8.87	5.06	5.93
Water supply:									
Daily consumption, gallons.....	(a)	40,000,000	23,600,000	50,000,000	50,000,000	100,000,000	34,000,000	27,877,000	15,000,000
To each person.....		92.07	88.97	62.01	195.57	90.92	114.51	106.00	140.56
Sewers:									
Miles of.....	38		291	380	219	525	98	146	61
Persons to each mile.....	2,770.71		1,641.16	2,121.06	1,167.42	2,094.05	3,029.67	1,790.09	1,740.39
House connections.....	7,000		52,000	83,512	32,000	(a)	7,447	14,000	(a)
Parks:									
Area in acres.....	92	866	1,120	1,035	638	2,096	539	93	441
Water surface.....	2	68	56	77	47	140	16	4	12
To each 1,000 persons.....	0.87	1.69	2.52	0.85	2.50	1.82	1.82	0.86	4.13
Per cent of city area in.....	1.81	4.59	4.66	3.79	2.55	1.95	3.63	0.58	4.17
Cemeteries (intramural):									
Area in acres.....	332	412	613	6757	333	895	163	152	110
Per cent of city area in.....	6.51	2.18	2.53	4.19	1.33	0.87	0.69	0.95	1.04
Saloons:									
Number.....	125	1,900	595	3,659	1,997	5,200	2,090	1,300	478
To each 1,000 persons.....	1.19	4.37	1.33	4.54	7.81	4.73	7.04	4.97	4.48
Railroads:									
Trains daily.....	78	159	854	474	126	448	162	88	54
Annual passengers.....	1,612,969	2,803,303	39,107,897	3,297,801	1,920,669	19,664,911	4,253,250	388,031	398,780
Commuters.....	1,000,237	719,082	24,587,218	641,806	138,930	16,902,663	3,697,174	63,219	190,959

SUBJECTS.	Detroit.	Indianapolis.	Jersey city.	Kansas city.	Louisville.	Milwaukee.	Minneapolis.	Newark.	New Orleans.
Population June 1, 1890.....	205,876	105,436	163,003	132,716	161,129	204,468	164,738	181,830	242,039
Area in acres.....	13,173	6,965	8,320	20,774	7,913	10,889	33,079	11,375	23,739
Persons to each acre.....	15.63	15.14	19.59	6.39	20.36	18.79	4.98	15.99	10.20
Dwellings:									
Number.....	36,992	21,138	18,562	23,140	24,900	32,888	25,281	23,290	43,000
To each acre.....	2.81	3.03	2.23	1.11	3.10	3.02	0.76	2.05	1.81
Persons to each.....	5.57	4.99	8.78	5.74	6.45	6.22	6.52	7.81	5.63
Water supply:									
Daily consumption, gallons.....	35,275,000	6,000,000	20,000,000	10,000,000	12,000,000	19,750,000	13,000,000	14,090,000	7,500,000
To each person.....	171.34	56.91	122.70	75.35	74.47	96.59	78.91	77.43	80.99
Sewers:									
Miles of.....	293	20	57	114	52	183	60	87	(a)
Persons to each mile.....	702.65	3,514.53	2,859.70	1,104.18	3,008.03	1,117.31	2,745.03	2,090.00	(a)
House connections.....	(a)	(a)	21,440	(a)	10,000	17,070	21,122	(a)	(a)
Parks:									
Area in acres.....	763	305	5	(a)	400	309	1,489	70	459
Water surface.....	200			(a)		2	800		
To each 1,000 persons.....	3.71	2.89	0.03		2.48	1.51	9.04	0.42	1.90
Per cent of city area in.....	5.79	4.38	0.06		5.05	2.84	4.50	0.67	1.93
Cemeteries (intramural):									
Area in acres.....	155	20	70	158	323	10	395	198	176
Per cent of city area in.....	1.18	0.29	0.84	0.76	4.08	0.09	1.01	1.74	0.74
Saloons:									
Number.....	1,015	375	850	497	820	1,317	249	1,114	625
To each 1,000 persons.....	4.93	3.56	5.21	3.74	5.09	6.44	1.51	6.18	2.68
Railroads:									
Trains daily.....	(a)	(a)	499	67	100	(a)	306	234	4
Annual passengers.....	(a)	135,216	867,514	947,200	1,250,355	(a)	4,034,572	5,888,134	224,137
Commuters.....	(a)	6,606	140,391	329,549	99,428	(a)	700,201	1,887,212	(a)

a Not reported.

b Partially outside city limits.

POPULATION, AREA, NUMBER OF DWELLINGS, DENSITY OF POPULATION, ETC.—Continued.

SUBJECTS.	New York.	Omaha.	Philadel- phia.	Pittsburg.	Provi- dence.	Rochester.	St. Louis.	St. Paul.	San Fran- cisco.	Washing- ton.
Population June 1, 1890	1,515,301	140,452	1,046,964	238,617	132,146	133,896	451,770	133,156	298,997	230,392
Area in acres	25,741	15,680	82,807	17,350	9,277	9,993	39,276	32,908	27,000	36,500
Persons to each acre	58.87	8.96	12.64	13.75	14.24	13.40	11.50	4.05	11.07	0.31
Dwellings:										
Number	81,828	20,194	187,052	37,725	17,639	23,054	60,937	20,970	47,183	38,798
To each acre	3.18	1.29	2.26	2.17	1.90	2.40	1.55	0.64	1.75	1.08
Persons to each	18.52	6.06	5.60	6.33	7.49	5.59	7.41	6.35	6.34	5.94
Water supply:										
Daily consumption, gallons	112,000,000	10,000,000	116,500,000	35,000,000	5,787,000	11,000,000	32,000,000	8,000,000	20,000,000	30,000,000
To each person	73.01	71.20	111.27	140.68	43.79	82.15	70.83	60.08	66.89	156.28
Sewers:										
Miles of	464	73	370	87	64	138	328	103	193	266
Persons to each mile	3,265.73	1,624.00	2,784.48	2,742.72	2,064.78	970.29	1,377.35	1,292.78	1,549.21	896.14
House connections	123,000	3,100	100,000	6,748	5,700	12,000	28,756	4,290	(a)	34,000
Parks:										
Area in acres	5,101	109	3,025	610	127	475	2,130	354	1,380	62,704
Water surface	1,191	2	373	25	16	60	35	.....	.....	(a)
To each 1,000 persons	3.37	0.78	2.80	2.56	0.96	3.55	4.71	2.66	4.62	11.74
Per cent of city area in	19.82	0.70	3.65	3.52	1.37	4.75	5.42	1.08	5.11	7.41
Cemeteries (intramural):										
Area in acres	421	25	1,205	634	398	213	721	164	335	377
Per cent of city area in	1.64	0.16	1.46	3.65	4.29	2.13	1.84	0.50	1.24	1.08
Saloons:										
Number	7,579	(a)	1,203	97	400	917	1,600	385	2,900	693
To each 1,000 persons	5.00	.....	1.15	0.41	3.03	6.85	3.54	2.89	9.70	3.01
Railroads:										
Trains daily	1,135	52	636	235	109	20	179	152	360	75
Annual passengers	32,090,623	340,770	15,152,999	5,525,293	552,466	237,455	2,355,688	2,622,615	6,350,817	893,787
Commuters	8,643,428	44,181	10,713,858	2,667,603	212,567	5,000	2,163,829	1,607,368	2,367,440	290,830

a Not reported.

b Includes all government reservations.

From this table it will be seen that the average density of population was greatest in New York, being 58.87 persons per acre of total area, and that the other cities come in the following order: Brooklyn, 44.59; Baltimore, 23.03; Allegheny, 20.66; Louisville, 20.36; Cincinnati, 20.02; Jersey city, 19.59; Milwaukee, 18.79; Boston, 18.51; Cleveland, 16.41; Newark, 15.99; Detroit, 15.63; Indianapolis, 15.14; Providence, 14.24; Pittsburg, 13.75; Rochester, 13.40; Philadelphia, 12.64; St. Louis, 11.50; San Francisco, 11.07; Chicago, 10.70; Buffalo, 10.23; New Orleans, 10.20; Denver, 10.09; Omaha, 8.96; Kansas city, 6.39; Washington, 6.31; Minneapolis, 4.98; St. Paul, 4.05.

The proportion living in tenement and common lodging houses, including flats and hotels, in each city, roughly indicated by the number of persons to each dwelling, was as follows: New York, 18.52; Brooklyn, 9.80; Cincinnati, 8.87; Jersey city, 8.78; Chicago, 8.60; Boston, 8.52; Newark, 7.81; Providence, 7.49; St. Louis, 7.41; Omaha, 6.96; Buffalo, 6.86; Minneapolis, 6.52; Louisville, 6.45; Allegheny, 6.36; St. Paul, 6.35; San Francisco, 6.34; Pittsburg, 6.33; Milwaukee, 6.22; Baltimore, 6.02; Cleveland, 5.96; Washington, 5.94; Denver, 5.93; Kansas city, 5.74; New Orleans, 5.63; Philadelphia, 5.60; Rochester, 5.59; Detroit, 5.57; Indianapolis, 4.99.

The percentage of city area embraced in parks was as follows, the cities being stated in the order of magnitude of the percentages: New York, 19.82; Washington, 7.41; Detroit, 5.79; St. Louis, 5.42; San Francisco, 5.11; Louisville, 5.05; Rochester, 4.75; Boston, 4.66; Baltimore, 4.59; Minneapolis, 4.50; Indianapolis, 4.38; Denver, 4.17; Brooklyn, 3.79; Philadelphia, 3.65; Cincinnati, 3.63; Pittsburg, 3.52; Milwaukee, 2.84; Buffalo, 2.55; Chicago, 1.95; New Orleans, 1.93; Allegheny, 1.81; Providence, 1.37; St. Paul, 1.08; Omaha, 0.70; Newark, 0.67; Cleveland, 0.58; Jersey city, 0.06.

For each 1,000 persons the number of saloons was as follows, the cities being stated in the order of the magnitude of the ratios: San Francisco, 9.70; Buffalo, 7.81; Cincinnati, 7.04; Rochester, 6.85; Milwaukee, 6.44; Newark, 6.13; Jersey city, 5.21; Louisville, 5.09; New York, 5.00; Cleveland, 4.97; Detroit, 4.93; Chicago, 4.73; Brooklyn, 4.54; Denver, 4.48; Baltimore, 4.37; Kansas city, 3.74; Indianapolis, 3.56; St. Louis, 3.54; Providence, 3.03; Washington, 3.01; St. Paul, 2.89; New Orleans, 2.58; Minneapolis, 1.51; Boston, 1.33; Allegheny, 1.19; Philadelphia, 1.15; Pittsburg, 0.41.

In the succeeding tables the distinction of general nativity and parental nativity is made only for the whites. In the statements showing birthplaces of mothers or persons the colored are excluded from those born in the United States to give rates for this country more accurately comparable with those of foreign countries in which the colored element is too small to affect the rates.

CITIES OF 100,000 INHABITANTS AND UPWARD.

5

The following table shows for the 28 cities and for their aggregate the number of deaths recorded during the census year, both inclusive and exclusive of stillbirths, with distinction of color and general nativity:

CITIES.	DEATHS.								
	Including stillbirths.					Excluding stillbirths.			
	Aggre- gate.	White.			Colored.	Aggre- gate.	White.		Colored.
		Total.	Native born. (a)	Foreign born. (a)			Total.	Native born. (a)	
Total.....	225,908	210,215	148,034	61,581	15,753	200,653	195,202	133,621	14,451
Allegheny.....	2,122	2,061	1,518	543	61	1,913	1,853	1,310	60
Baltimore.....	10,752	8,302	6,060	1,036	2,450	9,044	7,727	6,091	2,217
Boston.....	11,117	10,831	7,345	3,480	280	10,513	10,246	6,700	267
Brooklyn.....	20,593	20,210	14,185	6,025	383	19,260	18,487	12,862	373
Buffalo.....	5,087	5,047	3,525	1,522	40	4,099	4,062	3,140	37
Chicago.....	23,162	22,816	16,104	6,712	346	20,957	20,629	13,017	323
Cincinnati.....	6,040	6,254	4,442	1,812	386	6,234	5,838	4,076	340
Cleveland.....	5,730	5,040	4,107	1,473	66	5,282	5,101	3,718	61
Denver.....	2,584	2,521	2,030	482	63	2,454	2,306	1,914	58
Detroit.....	4,203	4,122	2,931	1,101	81	3,840	3,770	2,570	79
Indianapolis.....	1,937	1,712	1,434	278	275	1,826	1,574	1,290	252
Jersey city.....	4,484	4,418	3,136	1,282	66	4,178	4,118	2,836	60
Kansas city.....	2,553	2,084	1,731	353	469	2,206	1,870	1,517	420
Louisville.....	3,514	2,597	1,982	615	917	3,237	2,406	1,701	331
Milwaukee.....	3,942	3,930	2,603	1,327	12	3,830	3,827	2,500	12
Minneapolis.....	2,440	2,412	1,792	620	28	2,231	2,203	1,583	28
Newark.....	5,280	5,090	3,756	1,334	100	4,883	4,800	3,472	177
New Orleans.....	9,875	4,508	3,207	1,301	2,367	6,356	4,180	2,879	2,170
New York.....	43,378	42,416	27,570	14,846	962	40,975	39,187	24,341	889
Omaha.....	1,397	1,353	1,004	280	44	1,325	1,281	992	44
Philadelphia.....	23,738	22,420	16,979	5,450	1,309	22,291	21,004	15,014	1,227
Pittsburg.....	5,206	4,974	3,573	1,401	232	4,804	4,592	3,191	212
Providence.....	2,955	2,814	2,034	780	141	2,701	2,650	1,870	132
Rochester.....	2,323	2,319	1,573	740	4	2,319	2,315	1,560	4
St. Louis.....	8,645	7,710	5,323	2,382	935	7,851	7,009	4,927	842
St. Paul.....	2,240	2,204	1,665	539	30	1,981	1,946	1,407	35
San Francisco.....	7,060	6,370	3,750	2,620	651	6,715	6,043	3,414	672
Washington.....	5,055	3,062	2,535	527	2,893	5,449	2,873	2,346	2,576

a Includes proportional distribution of birthplaces unknown.

The following table shows for the 28 cities and for their aggregate the death rates during the census year, both inclusive and exclusive of stillbirths, per 1,000 of population, with distinction of color and general nativity:

CITIES.	DEATH RATES PER 1,000 OF POPULATION.								
	Including stillbirths.					Excluding stillbirths.			
	Aggre- gate.	White.			Colored.	Aggre- gate.	White.		Colored.
		Total.	Native born.	Foreign born.			Total.	Native born.	
Total.....	23.80	22.78	24.04	20.21	33.64	21.62	21.15	21.03	30.86
Allegheny.....	20.15	20.06	19.80	20.81	24.13	18.17	18.03	17.11	23.73
Baltimore.....	24.75	22.61	22.33	23.86	36.41	22.89	21.05	20.44	32.94
Boston.....	24.70	24.62	25.03	22.25	33.29	23.44	23.29	23.87	31.03
Brooklyn.....	25.54	25.41	20.53	23.11	34.99	23.89	23.75	24.08	34.03
Buffalo.....	19.90	19.83	21.33	17.00	34.22	18.38	18.32	19.03	31.65
Chicago.....	21.06	21.03	25.35	14.93	23.30	19.05	19.01	21.98	22.03
Cincinnati.....	22.30	21.93	20.77	25.41	33.04	21.00	20.84	19.06	29.01
Cleveland.....	21.95	21.83	25.82	15.20	31.68	20.21	20.10	23.13	29.98
Denver.....	24.21	24.50	20.07	19.72	15.48	23.00	23.34	24.66	14.25
Detroit.....	20.42	20.36	24.13	14.71	23.45	18.70	18.02	21.42	22.87
Indianapolis.....	18.85	17.78	17.52	19.24	30.04	17.32	16.35	15.82	27.53
Jersey city.....	27.51	27.48	29.15	24.11	29.50	25.63	25.61	26.43	26.82
Kansas city.....	19.24	17.54	17.03	17.11	33.75	17.30	15.74	14.70	30.66
Louisville.....	21.81	19.61	18.18	26.21	31.03	20.09	18.16	16.45	28.93
Milwaukee.....	19.28	19.26	20.91	16.08	25.70	18.78	18.76	20.23	25.70
Minneapolis.....	14.81	14.76	17.42	10.25	20.68	13.54	13.48	15.40	20.68
Newark.....	20.04	28.07	30.75	24.08	44.49	27.40	27.07	28.40	41.44
New Orleans.....	28.40	25.41	22.85	38.37	36.61	26.20	23.57	20.08	33.65
New York.....	28.63	28.47	32.33	23.81	37.47	26.45	26.31	28.45	34.63
Omaha.....	9.95	9.96	10.55	8.28	9.45	9.43	9.43	9.80	9.45
Philadelphia.....	22.67	22.28	23.00	20.32	32.42	21.20	20.03	21.19	30.39
Pittsburg.....	21.82	21.56	22.68	19.15	29.16	20.13	19.91	20.34	26.64
Providence.....	22.36	21.07	23.15	19.30	34.81	21.12	20.70	21.30	32.58
Rochester.....	17.35	17.39	16.81	18.78	6.92	17.32	17.36	16.63	6.92
St. Louis.....	10.14	18.15	17.13	20.78	34.55	17.33	10.50	14.95	31.11
St. Paul.....	16.82	16.74	21.20	10.15	23.02	14.88	14.78	17.96	22.07
San Francisco.....	23.01	23.57	22.16	25.91	24.06	22.46	22.32	20.19	23.74
Washington.....	25.85	19.79	18.62	28.40	38.22	23.65	18.57	17.23	34.03

VITAL AND SOCIAL STATISTICS.

The death rates during the census year not only varied for different cities, but they also varied greatly in different parts of the same city, as appears from the following table, which shows the death rates for each ward in each city per 1,000 of population of all ages, and of those under 1 year and under 5 years of age, both inclusive and exclusive of stillbirths, during the census year in cities of 100,000 inhabitants and upward, with the exception of San Francisco, Denver, Omaha, Rochester, Providence, and Washington, for which the data for computing death rates by wards were not available:

CITIES.	DEATH RATES PER 1,000 OF POPULATION.						CITIES	DEATH RATES PER 1,000 OF POPULATION.					
	Including stillbirths.			Excluding stillbirths.				Including stillbirths.			Excluding stillbirths.		
	All ages.	Under 1 year.	Under 5 years.	All ages.	Under 1 year.	Under 5 years.		All ages.	Under 1 year.	Under 5 years.	All ages.	Under 1 year.	Under 5 years.
Allegheny	20.15	253.43	78.00	18.17	171.56	60.51	Brooklyn—Continued.	28.23	375.14	114.94	26.34	294.92	97.58
Ward 1	17.43	434.34	107.60	15.56	202.93	82.60	Ward 6	22.06	277.36	85.83	20.91	215.89	72.19
Ward 2	17.81	235.29	71.48	16.29	167.18	56.78	Ward 7	30.15	267.69	110.00	28.46	213.33	97.41
Ward 3	21.70	238.10	80.44	19.41	152.88	60.76	Ward 8	28.25	298.33	100.31	26.73	233.89	86.56
Ward 4	25.74	243.30	81.89	23.67	168.14	64.60	Ward 9	29.71	319.15	112.86	28.00	254.20	97.66
Ward 5	16.33	195.45	59.70	14.72	127.27	44.82	Ward 10	30.10	466.02	150.63	28.38	371.36	130.23
Ward 6	17.93	187.10	60.00	16.03	119.35	45.00	Ward 11	33.25	408.37	116.51	31.04	344.88	104.15
Ward 7	25.81	279.76	106.48	23.62	202.38	87.96	Ward 12	24.00	343.68	96.03	22.56	269.69	79.33
Ward 8	27.54	420.45	111.11	24.14	284.09	82.69	Ward 13	33.47	391.53	123.45	31.01	302.91	104.41
Ward 9	15.37	254.55	67.46	13.23	154.55	47.02	Ward 14	27.54	348.61	113.13	25.52	270.83	96.18
Ward 10	15.98	167.94	59.68	14.01	122.14	48.39	Ward 15	27.65	349.29	97.46	25.55	273.94	82.84
Ward 11	22.93	344.16	93.14	19.93	214.29	68.50	Ward 16	27.86	332.46	112.10	25.64	252.99	94.53
Ward 12	18.62	218.39	68.21	16.95	160.92	55.34	Ward 17	24.57	321.45	91.73	22.53	251.04	77.94
Ward 13	22.56	344.37	83.76	20.49	251.66	68.30	Ward 18	23.01	294.40	89.38	21.41	226.33	74.14
Baltimore	24.75	384.55	110.50	22.89	300.09	92.97	Ward 19	24.40	317.07	97.92	22.95	231.71	78.23
Ward 1	28.38	403.65	119.02	25.00	312.29	100.13	Ward 20	23.34	295.53	89.09	21.57	225.24	74.12
Ward 2	31.05	444.67	147.03	28.44	356.14	127.65	Ward 21	20.40	234.74	77.05	19.18	183.15	65.69
Ward 3	26.58	357.36	96.18	24.62	264.26	76.43	Ward 22	17.79	234.27	68.46	16.80	171.37	55.23
Ward 4	23.90	410.49	107.23	21.30	280.86	82.94	Ward 23	20.93	411.21	99.35	20.15	370.72	91.61
Ward 5	24.54	397.48	111.18	21.82	258.08	82.41	Ward 24	20.18	269.03	76.13	18.84	205.42	64.10
Ward 6	28.08	286.28	91.50	26.02	216.36	76.53	Ward 25	21.66	290.32	78.00	20.06	229.68	66.22
Ward 7	22.60	208.37	86.06	21.21	236.89	73.76	Buffalo	19.90	274.05	75.06	18.38	217.67	63.27
Ward 8	22.56	304.52	96.90	21.18	239.09	82.09	Ward 1	21.43	309.41	70.42	19.74	237.62	65.38
Ward 9	38.75	708.04	214.93	36.33	613.40	181.06	Ward 2	15.31	337.84	71.96	14.59	270.27	59.55
Ward 10	21.51	492.25	115.01	19.92	395.35	95.59	Ward 3	18.96	314.08	81.04	16.87	216.61	61.51
Ward 11	27.07	614.35	160.75	25.16	484.30	133.64	Ward 4	13.94	338.24	87.93	17.17	227.94	65.57
Ward 12	23.57	544.28	133.68	21.84	438.29	113.30	Ward 5	21.45	274.27	86.22	19.36	220.08	73.54
Ward 13	28.22	307.17	112.42	20.85	242.32	96.70	Ward 6	20.32	240.26	66.66	18.46	186.46	55.73
Ward 14	22.99	487.25	125.85	21.68	424.93	113.33	Ward 7	19.97	235.04	61.22	18.95	197.18	53.99
Ward 15	26.50	457.63	129.10	24.14	335.59	105.69	Ward 8	21.63	352.94	88.13	20.00	280.54	73.28
Ward 16	26.32	427.18	127.07	24.07	320.39	106.28	Ward 9	13.12	280.37	84.71	12.27	214.95	70.25
Ward 17	25.74	407.23	112.32	23.88	383.33	97.79	Ward 10	18.97	545.98	125.57	18.48	505.75	117.58
Ward 18	23.29	303.22	95.78	20.87	224.01	77.63	Ward 11	16.20	251.20	62.32	14.92	188.80	60.05
Ward 19	22.55	381.86	103.84	20.50	276.37	82.19	Ward 12	30.69	276.93	72.53	20.40	226.62	63.27
Ward 20	20.16	293.88	89.65	19.16	246.94	79.89	Ward 13	16.34	232.00	58.18	14.74	180.00	47.22
Ward 21	19.37	292.55	85.47	18.13	236.70	74.58	Chicago	21.06	285.90	85.58	19.05	212.66	69.92
Ward 22	19.97	332.67	91.81	18.98	286.85	82.67	Ward 1	23.14	525.35	172.98	22.18	414.75	148.41
Boston	24.79	330.00	102.27	23.44	261.34	87.17	Ward 2	19.00	374.29	115.90	17.00	228.57	83.60
Ward 1	21.49	275.42	88.25	20.17	222.46	76.26	Ward 3	17.80	324.88	90.99	16.30	225.81	71.03
Ward 2	27.69	381.68	127.71	26.07	310.43	111.45	Ward 4	15.89	273.83	74.00	14.34	184.58	55.39
Ward 3	25.43	278.81	79.41	24.13	215.61	67.08	Ward 5	22.75	284.19	88.99	20.56	214.67	73.51
Ward 4	25.23	354.84	105.99	23.44	262.10	87.62	Ward 6	25.66	290.78	97.34	22.67	204.55	78.70
Ward 5	26.02	279.53	101.06	24.41	204.72	83.26	Ward 7	24.12	327.60	91.87	21.48	245.25	76.93
Ward 6	31.12	343.37	117.08	29.49	283.13	102.21	Ward 8	23.92	281.08	94.25	21.47	212.19	78.17
Ward 7	27.01	364.22	116.24	24.57	265.18	91.61	Ward 9	22.53	256.41	81.82	20.52	201.84	69.24
Ward 8	33.16	514.60	128.18	31.55	434.31	110.67	Ward 10	20.81	246.33	74.77	18.45	179.82	60.82
Ward 9	25.51	381.26	119.23	24.41	287.96	101.28	Ward 11	16.86	316.85	86.35	15.15	222.57	66.95
Ward 10	21.08	500.00	126.37	20.48	333.33	93.41	Ward 12	15.76	228.89	67.94	14.22	158.54	51.82
Ward 11	17.31	321.24	98.27	16.67	243.52	82.08	Ward 13	18.28	234.18	66.49	16.74	175.11	54.04
Ward 12	32.26	498.65	138.95	30.51	302.88	114.01	Ward 14	22.42	246.99	73.32	20.05	179.05	58.93
Ward 13	36.96	492.99	131.85	34.86	327.30	114.47	Ward 15	22.98	318.97	81.11	20.95	254.35	69.13
Ward 14	25.11	303.85	96.79	23.97	246.15	84.64	Ward 16	25.33	307.17	91.92	22.55	232.56	75.44
Ward 15	27.81	325.06	113.81	25.32	223.48	92.41	Ward 17	28.74	400.00	122.23	26.27	308.47	101.99
Ward 16	29.31	396.04	126.69	28.31	386.63	113.19	Ward 18	21.09	463.64	132.81	19.54	339.80	103.37
Ward 17	21.04	368.98	110.05	20.08	288.77	90.91	Ward 19	24.58	337.64	105.62	22.44	255.81	87.01
Ward 18	18.52	441.38	119.76	17.46	317.24	92.81	Ward 20	24.88	332.26	102.18	22.48	248.39	84.70
Ward 19	32.24	448.42	134.86	30.89	383.16	130.52	Ward 21	20.22	269.07	79.40	18.13	183.08	61.01
Ward 20	22.72	332.66	95.72	21.66	279.92	84.80	Ward 22	23.05	322.03	93.25	21.01	214.55	81.26
Ward 21	19.23	295.65	76.83	18.01	214.40	60.08	Ward 23	26.20	299.08	103.67	24.22	227.87	87.28
Ward 22	23.74	305.44	100.99	22.09	236.40	86.11	Ward 24	16.13	343.24	110.06	14.48	205.41	77.99
Ward 23	17.96	177.03	58.21	17.12	143.09	50.80	Ward 25	17.44	246.77	70.42	15.78	182.26	57.32
Ward 24	18.66	217.32	62.15	17.65	168.30	51.74	Ward 26	23.96	305.75	86.87	21.57	236.13	72.39
Ward 25	19.86	272.73	76.59	18.95	225.11	67.99	Ward 27	12.95	142.84	39.66	11.83	94.89	31.21
Brooklyn	25.54	324.43	100.21	23.89	254.87	85.53	Ward 28	18.68	225.26	65.86	16.14	146.76	49.58
Ward 1	21.11	309.45	101.19	20.16	247.56	87.05	Ward 29	21.75	270.66	84.88	19.95	211.78	72.28
Ward 2	35.17	543.01	146.15	32.94	495.48	137.92	Ward 30	20.52	284.27	79.30	18.54	218.77	66.69
Ward 3	23.14	275.96	100.50	22.02	218.58	87.47	Ward 31	13.29	212.24	56.27	12.03	165.31	46.69
Ward 4	29.13	429.79	147.60	27.02	519.15	131.03	Ward 32	14.34	269.60	66.26	13.15	195.70	52.84
Ward 5	33.71	437.64	145.86	32.37	574.15	151.75	Ward 33	21.16	272.43	81.07	19.28	219.91	69.82
							Ward 34	14.97	177.15	55.70	13.41	127.88	44.51

CITIES OF 100,000 INHABITANTS AND UPWARD.

7

DEATH RATES PER 1,000 OF POPULATION—Continued.

CITIES.	DEATH RATES PER 1,000 OF POPULATION.						CITIES.	DEATH RATES PER 1,000 OF POPULATION.					
	Including stillbirths.			Excluding stillbirths.				Including stillbirths.			Excluding stillbirths.		
	All ages.	Under 1 year.	Under 5 years.	All ages.	Under 1 year.	Under 5 years.		All ages.	Under 1 year.	Under 5 years.	All ages.	Under 1 year.	Under 5 years.
Cincinnati.....	22.36	259.72	89.35	21.00	199.23	70.40	Detroit—Continued.						
Ward 1.....	18.48	231.21	59.54	16.82	150.20	44.10	Ward 6.....	17.12	226.84	78.10	15.82	172.52	65.08
Ward 2.....	19.44	201.72	65.45	18.32	141.63	52.73	Ward 7.....	23.75	259.77	81.36	21.80	197.70	71.04
Ward 3.....	35.04	341.88	140.00	33.76	294.87	130.14	Ward 8.....	19.30	327.40	88.47	17.03	253.52	73.24
Ward 4.....	22.38	270.07	90.02	20.95	212.02	77.76	Ward 9.....	22.78	282.07	80.92	20.54	220.00	75.30
Ward 5.....	28.19	356.64	145.62	26.30	251.75	120.14	Ward 10.....	17.24	220.83	68.81	15.74	171.15	60.93
Ward 6.....	26.11	401.64	155.17	24.80	319.07	136.02	Ward 11.....	19.04	230.77	69.54	17.25	172.40	57.65
Ward 7.....	25.17	262.55	107.77	22.98	185.33	87.05	Ward 12.....	19.99	210.84	80.12	18.25	164.21	60.41
Ward 8.....	30.08	371.13	137.16	28.04	208.04	112.22	Ward 13.....	20.55	224.72	61.02	18.73	161.70	49.63
Ward 9.....	18.90	534.25	126.87	17.41	383.50	99.50	Ward 14.....	22.04	370.07	98.78	20.50	290.32	83.59
Ward 10.....	37.45	374.07	118.93	34.43	251.85	90.45	Ward 15.....	19.50	321.04	80.80	16.80	222.22	68.18
Ward 11.....	22.41	218.75	81.35	20.77	159.09	69.11	Ward 16.....	20.30	231.30	80.78	18.56	187.60	70.68
Ward 12.....	21.87	268.07	85.50	20.47	216.87	75.12	Indianapolis.....	18.85	274.15	78.82	17.32	190.08	61.79
Ward 13.....	26.67	247.02	108.04	24.83	180.05	94.01	Ward 1.....	14.08	218.75	60.70	13.73	161.40	48.09
Ward 14.....	20.86	193.68	71.55	19.74	150.20	62.20	Ward 2.....	11.75	421.60	90.35	10.67	337.35	75.08
Ward 15.....	21.07	283.42	88.69	19.47	203.21	72.00	Ward 3.....	18.41	330.00	82.11	16.28	238.26	61.05
Ward 16.....	22.16	468.90	127.04	20.85	406.70	112.02	Ward 4.....	21.48	311.48	92.81	19.02	190.73	71.80
Ward 17.....	18.80	380.17	97.95	17.81	289.20	81.87	Ward 5.....	17.52	333.33	73.50	16.06	220.17	51.65
Ward 18.....	21.87	384.62	126.32	21.01	307.69	111.58	Ward 6.....	15.12	333.33	57.89	14.27	185.10	36.84
Ward 19.....	25.30	326.29	119.50	23.41	240.04	99.37	Ward 7.....	18.20	202.25	63.33	17.58	198.54	58.07
Ward 20.....	20.70	211.98	83.68	19.79	170.51	74.27	Ward 8.....	10.52	264.37	70.35	14.80	172.41	50.05
Ward 21.....	24.74	206.90	85.54	23.38	158.62	74.94	Ward 9.....	21.05	295.45	88.79	20.38	204.55	70.69
Ward 22.....	27.92	233.11	84.38	26.80	185.81	74.02	Ward 10.....	20.61	159.09	47.02	20.27	150.00	42.83
Ward 23.....	19.55	208.96	82.95	18.16	150.72	70.94	Ward 11.....	24.20	170.47	54.70	23.84	117.05	41.10
Ward 24.....	17.01	228.87	70.27	16.70	193.60	62.87	Ward 12.....	18.00	312.50	95.24	17.10	218.75	74.83
Ward 25.....	18.45	183.27	68.82	17.55	147.41	61.36	Ward 13.....	19.91	433.33	96.35	16.63	233.83	56.48
Ward 26.....	11.43	153.85	47.77	10.77	117.05	40.34	Ward 14.....	40.45	570.47	178.82	42.52	400.00	141.18
Ward 27.....	10.59	268.20	82.54	18.78	225.61	74.16	Ward 15.....	15.54	211.01	50.70	14.01	140.70	62.22
Ward 28.....	17.10	160.64	61.37	16.20	128.51	54.45	Ward 16.....	10.03	400.67	100.51	18.02	306.67	88.70
Ward 29.....	16.49	244.19	67.85	15.11	180.05	50.73	Ward 17.....	14.88	315.79	100.00	13.10	157.80	62.60
Ward 30.....	19.11	150.63	49.68	18.36	121.34	44.07	Ward 18.....	26.27	270.27	82.87	24.60	135.14	60.77
Cleveland.....	21.95	310.07	93.94	20.21	239.33	79.32	Ward 19.....	19.23	313.95	88.61	16.74	186.05	68.29
Ward 1.....	36.82	468.29	152.22	33.68	350.10	126.40	Ward 20.....	13.45	270.83	60.80	12.00	229.17	60.20
Ward 2.....	10.59	380.95	96.77	10.05	285.71	80.65	Ward 21.....	15.70	173.01	72.44	15.00	131.04	65.34
Ward 3.....	13.89	297.30	115.38	13.23	243.24	100.00	Ward 22.....	19.07	220.59	73.13	18.50	176.47	62.03
Ward 4.....	22.09	419.75	120.21	21.50	333.33	109.55	Ward 23.....	14.60	198.02	50.52	13.53	138.01	40.07
Ward 5.....	18.29	578.95	93.75	16.32	434.21	73.53	Ward 24.....	20.51	238.70	80.23	18.89	220.78	60.17
Ward 6.....	11.23	145.30	47.93	9.44	76.02	31.25	Ward 25.....	21.35	107.60	71.88	18.08	101.80	51.70
Ward 7.....	21.75	347.83	124.33	22.60	275.06	108.25	Jersey city.....	27.51	350.87	110.70	25.63	273.85	94.17
Ward 8.....	20.38	179.89	72.92	19.63	153.44	60.41	Ward 1.....	34.08	420.05	147.74	32.57	393.33	125.07
Ward 9.....	21.80	372.81	103.80	19.28	267.54	82.68	Ward 2.....	35.71	350.12	120.03	33.20	277.84	107.01
Ward 10.....	20.91	300.00	89.43	18.33	133.93	48.78	Ward 3.....	27.35	346.08	120.41	25.50	270.40	102.08
Ward 11.....	10.20	250.00	83.08	19.26	250.00	88.08	Ward 4.....	21.01	342.50	99.10	22.38	207.30	84.26
Ward 12.....	14.70	300.12	74.07	13.40	204.08	57.24	Ward 5.....	25.38	385.37	103.62	23.05	300.00	87.07
Ward 13.....	36.44	608.28	184.47	35.28	655.17	173.82	Ward 6.....	21.30	204.72	80.20	19.03	230.37	73.90
Ward 14.....	18.04	175.26	77.10	17.33	144.33	66.67	Kansas city.....	19.24	310.34	98.73	17.30	210.02	78.43
Ward 15.....	17.27	150.15	58.37	16.31	99.10	40.60	Ward 1.....	21.05	384.06	141.40	19.33	280.80	118.55
Ward 16.....	21.11	315.38	99.27	19.83	261.54	89.05	Ward 2.....	14.90	369.64	218.27	12.40	545.45	147.21
Ward 17.....	20.90	282.41	95.60	19.33	222.22	81.23	Ward 3.....	17.67	252.87	103.79	17.03	212.64	62.20
Ward 18.....	17.99	312.95	75.87	16.12	241.01	61.42	Ward 4.....	17.17	340.78	103.02	15.43	200.00	84.12
Ward 19.....	13.24	211.54	60.74	12.02	153.85	40.92	Ward 5.....	24.11	294.57	104.77	21.23	201.65	82.32
Ward 20.....	18.93	301.37	80.33	16.54	198.63	64.75	Ward 6.....	18.37	306.00	91.31	16.11	202.83	60.01
Ward 21.....	18.85	350.32	91.43	17.06	273.80	74.20	Ward 7.....	20.38	283.03	105.20	18.26	198.83	86.42
Ward 22.....	18.55	233.04	81.75	17.27	178.90	60.70	Ward 8.....	18.80	309.21	114.60	16.88	270.08	88.20
Ward 23.....	21.88	273.28	90.20	20.23	222.77	79.00	Ward 9.....	19.37	305.03	110.24	19.02	270.88	84.08
Ward 24.....	23.09	451.69	105.20	20.31	303.39	94.27	Ward 10.....	27.04	281.93	92.97	25.61	200.00	74.50
Ward 25.....	24.46	313.85	103.45	21.88	248.92	88.07	Ward 11.....	14.09	153.85	50.37	13.22	110.00	42.01
Ward 26.....	28.04	390.55	120.00	25.24	375.80	98.78	Ward 12.....	9.62	152.17	53.14	8.55	108.70	43.48
Ward 27.....	20.41	187.05	60.77	19.33	151.08	52.88	Ward 13.....	6.20	58.82	16.75	6.20	58.82	16.75
Ward 28.....	32.71	1,300.00	154.93	29.09	1,000.00	180.78	Ward 14.....	8.60	93.33	30.53	7.56	60.07	25.45
Ward 29.....	21.55	211.01	90.20	20.19	155.96	85.11	Louisville.....	21.81	279.40	87.10	20.09	108.00	60.25
Ward 30.....	19.40	510.20	90.46	16.78	806.12	60.01	Ward 1.....	24.67	463.10	109.01	22.03	880.50	94.80
Ward 31.....	20.28	377.05	90.14	17.84	229.51	64.79	Ward 2.....	17.58	231.75	63.48	16.20	174.00	52.17
Ward 32.....	21.49	271.93	89.38	20.25	219.30	79.26	Ward 3.....	20.63	265.31	86.23	18.35	174.03	64.07
Ward 33.....	15.52	219.05	70.83	14.54	171.43	60.42	Ward 4.....	25.77	305.07	106.05	23.87	210.42	80.10
Ward 34.....	20.07	292.31	99.70	18.40	215.38	84.82	Ward 5.....	29.46	245.05	102.04	27.30	152.10	75.14
Ward 35.....	23.97	272.78	90.01	22.24	204.65	77.10	Ward 6.....	16.12	301.11	94.49	15.03	277.78	70.77
Ward 36.....													

VITAL AND SOCIAL STATISTICS.

DEATH RATES PER 1,000 OF POPULATION—Continued.

CITIES.	DEATH RATES PER 1,000 OF POPULATION.						CITIES.	DEATH RATES PER 1,000 OF POPULATION.					
	Including stillbirths.			Excluding stillbirths.				Including stillbirths.			Excluding stillbirths.		
	All ages.	Under 1 year.	Under 5 years..	All ages.	Under 1 year.	Under 5 years.		All ages.	Under 1 year.	Under 5 years.	All ages.	Under 1 year.	Under 5 years.
Milwaukee.....	19.28	239.40	69.31	18.78	221.92	65.65	New York—Continued.	41.61	404.04	157.66	39.02	317.46	137.01
Ward 1.....	18.95	260.66	74.08	18.31	235.96	67.08	Ward 0.....	32.68	359.33	116.99	30.44	278.85	99.11
Ward 2.....	20.10	321.07	70.99	19.34	291.07	69.57	Ward 7.....	37.83	446.36	148.71	34.53	319.86	118.79
Ward 3.....	20.52	329.63	95.38	20.23	316.13	92.40	Ward 8.....	30.28	366.55	123.99	28.48	282.04	104.74
Ward 4.....	19.53	292.68	85.71	19.14	262.20	78.91	Ward 9.....	25.61	307.13	93.78	22.08	212.93	73.43
Ward 5.....	16.23	195.35	57.86	16.23	190.70	57.86	Ward 10.....	26.85	317.87	100.57	24.61	240.81	84.16
Ward 6.....	18.13	223.56	65.31	17.74	208.40	62.23	Ward 11.....	24.99	347.55	106.83	23.14	273.01	90.28
Ward 7.....	20.92	421.05	119.32	20.62	394.74	110.80	Ward 12.....	26.81	291.29	92.98	23.91	211.41	74.10
Ward 8.....	16.79	194.65	55.30	16.30	175.18	51.72	Ward 13.....	45.24	479.66	199.73	41.05	371.61	172.55
Ward 9.....	21.99	210.98	80.06	21.05	186.59	74.48	Ward 14.....	33.82	548.78	177.46	31.60	402.44	143.97
Ward 10.....	18.66	196.99	59.82	18.36	180.47	57.91	Ward 15.....	30.90	449.00	140.78	28.02	340.85	116.09
Ward 11.....	23.05	303.64	86.78	22.31	285.45	83.02	Ward 16.....	27.76	346.14	112.79	25.40	258.89	91.93
Ward 12.....	16.79	225.06	64.18	16.03	204.60	59.97	Ward 17.....	31.37	548.30	151.29	28.70	391.00	118.61
Ward 13.....	17.67	211.74	56.92	17.46	206.41	55.38	Ward 18.....	23.03	328.43	102.04	21.87	252.60	84.83
Ward 14.....	23.20	256.30	73.20	22.49	237.39	68.85	Ward 19.....	53.93	450.40	145.87	31.24	335.02	119.18
Ward 15.....	18.47	371.43	60.15	17.84	335.71	55.97	Ward 20.....	29.01	451.49	130.86	27.04	331.41	105.50
Ward 16.....	17.02	205.61	55.00	17.02	205.61	55.00	Ward 21.....	27.08	368.14	113.78	24.98	275.40	93.73
Ward 17.....	15.98	182.86	61.12	15.98	182.86	63.12	Ward 22.....	25.82	304.47	90.94	24.26	243.87	78.89
Ward 18.....	19.09	229.01	63.19	19.06	209.92	60.24	Ward 23.....	24.58	321.52	92.60	22.55	217.72	71.97
Minneapolis.....	14.81	201.57	59.96	13.54	151.89	40.18	Philadelphia.....	22.67	293.02	89.92	21.29	230.32	75.93
Ward 1.....	16.09	245.00	68.87	14.55	193.44	57.39	Ward 1.....	24.72	279.80	94.17	23.22	221.08	80.97
Ward 2.....	11.31	226.32	49.43	10.57	184.21	41.83	Ward 2.....	23.76	293.69	90.23	21.80	218.45	73.63
Ward 3.....	14.25	186.76	51.90	12.60	129.41	39.83	Ward 3.....	23.69	233.12	66.56	21.58	206.90	78.93
Ward 4.....	9.05	164.49	54.21	8.48	139.55	46.11	Ward 4.....	30.96	412.35	126.71	28.36	323.87	100.54
Ward 5.....	13.20	254.48	72.73	12.13	175.03	55.84	Ward 5.....	28.08	367.40	110.14	26.02	270.72	90.85
Ward 6.....	18.51	240.17	70.37	16.49	173.91	60.90	Ward 6.....	27.55	333.33	102.40	25.37	234.88	76.38
Ward 7.....	15.68	185.94	55.66	13.80	131.52	44.05	Ward 7.....	27.60	414.83	134.25	25.71	300.60	108.99
Ward 8.....	13.22	198.53	49.48	12.55	101.76	43.21	Ward 8.....	23.81	288.09	99.78	23.16	238.53	87.44
Ward 9.....	15.23	168.18	56.77	13.48	118.18	45.81	Ward 9.....	31.97	450.38	136.59	30.03	305.84	105.69
Ward 10.....	18.83	259.54	76.92	17.28	206.11	64.96	Ward 10.....	21.57	323.72	107.58	20.17	227.59	84.85
Ward 11.....	10.95	148.15	53.05	18.93	119.83	46.85	Ward 11.....	29.41	286.98	100.07	28.10	236.69	87.92
Ward 12.....	20.46	275.86	94.70	18.93	119.83	46.85	Ward 12.....	23.71	321.17	94.24	22.30	248.13	78.66
Ward 13.....	24.08	290.70	83.82	29.40	275.86	94.70	Ward 13.....	20.81	407.68	128.68	19.36	268.82	106.81
Ward 14.....	24.08	290.70	83.82	23.38	255.81	75.14	Ward 14.....	24.06	341.81	120.00	22.91	274.01	103.73
Ward 15.....	24.08	290.70	83.82	23.38	255.81	75.14	Ward 15.....	23.91	277.66	95.88	22.75	212.77	81.51
Newark.....	29.04	389.25	119.53	27.40	317.36	104.77	Ward 16.....	31.08	416.47	129.23	28.79	324.71	107.60
Ward 1.....	28.57	428.57	128.21	26.90	348.21	112.43	Ward 17.....	27.68	373.74	118.41	25.63	286.87	97.70
Ward 2.....	38.88	678.90	208.66	30.64	550.63	183.07	Ward 18.....	22.25	280.06	97.73	21.12	227.85	86.05
Ward 3.....	26.55	396.40	120.76	25.14	324.32	105.93	Ward 19.....	22.65	293.56	88.50	21.08	229.87	74.08
Ward 4.....	35.99	505.75	129.90	33.97	413.70	113.73	Ward 20.....	21.00	284.44	88.07	19.85	210.39	73.86
Ward 5.....	32.70	427.18	123.84	30.01	349.51	107.21	Ward 21.....	19.37	221.44	64.63	18.03	170.66	52.82
Ward 6.....	29.02	441.56	126.29	27.95	360.89	110.81	Ward 22.....	18.07	244.57	69.90	16.88	185.87	57.06
Ward 7.....	32.10	365.48	113.55	30.36	299.49	90.90	Ward 23.....	20.23	260.81	71.84	19.38	217.58	62.43
Ward 8.....	25.34	364.12	103.25	23.91	298.15	90.07	Ward 24.....	19.06	246.79	71.48	18.18	205.42	62.70
Ward 9.....	22.16	395.60	103.37	21.03	318.63	89.89	Ward 25.....	24.20	298.10	93.51	22.26	229.52	78.45
Ward 10.....	30.94	311.43	102.25	29.29	254.29	89.83	Ward 26.....	21.34	250.48	76.93	19.96	195.11	65.29
Ward 11.....	34.10	312.22	97.67	20.28	248.87	85.13	Ward 27.....	42.00	677.27	190.51	41.00	627.27	178.91
Ward 12.....	21.55	357.84	128.63	22.17	290.85	112.65	Ward 28.....	18.30	216.58	61.92	17.27	172.99	52.25
Ward 13.....	23.04	357.75	114.35	26.45	291.82	100.41	Ward 29.....	20.96	274.19	78.95	19.65	205.88	63.91
Ward 14.....	17.54	295.92	82.04	16.49	234.69	70.95	Ward 30.....	23.13	323.97	96.54	21.89	261.16	83.01
Ward 15.....	31.26	517.70	148.55	29.47	424.78	130.61	Ward 31.....	19.59	248.10	77.90	18.32	194.94	66.01
New Orleans.....	28.40	375.08	95.41	26.26	274.55	75.38	Ward 32.....	12.08	175.10	50.06	11.25	126.46	39.37
Ward 1.....	28.80	639.48	187.91	26.66	510.73	117.12	Ward 33.....	13.42	162.08	52.00	12.21	122.92	43.22
Ward 2.....	24.26	379.06	90.13	22.13	252.71	66.93	Pittsburg.....	21.82	253.74	87.73	20.13	188.43	73.74
Ward 3.....	57.04	534.25	129.53	54.60	399.22	104.00	Ward 1.....	21.97	350.65	102.17	19.83	246.75	77.40
Ward 4.....	25.20	401.61	97.50	22.65	265.05	70.10	Ward 2.....	38.07	923.08	247.06	35.18	564.10	164.71
Ward 5.....	27.48	397.44	102.20	25.10	288.46	79.81	Ward 3.....	14.35	705.88	111.11	11.00	294.12	65.36
Ward 6.....	24.04	383.83	96.84	21.63	266.07	74.24	Ward 4.....	17.18	250.00	82.28	15.27	83.83	44.30
Ward 7.....	25.89	370.97	87.95	23.61	268.15	68.86	Ward 5.....	19.10	436.62	103.04	17.35	309.86	81.97
Ward 8.....	28.14	319.62	110.47	24.89	205.70	80.79	Ward 6.....	32.64	257.78	92.45	30.78	182.22	75.55
Ward 9.....	23.39	355.20	88.17	21.58	235.07	73.78	Ward 7.....	20.50	314.52	110.73	19.15	250.00	97.10
Ward 10.....	20.97	301.79	76.59	19.99	217.59	60.59	Ward 8.....	20.08	240.26	93.15	18.94	188.31	82.19
Ward 11.....	20.32	268.60	69.93	18.80	202.48	56.20	Ward 9.....	21.51	333.33	104.63	19.17	250.00	84.51
Ward 12.....	23.40	316.79	74.37	21.61	232.82	58.17	Ward 10.....	21.38	257.73	92.20	18.88	164.95	70.92
Ward 13.....	24.32	353.33	87.50	21.61	234.97	67.05	Ward 11.....	14.87	190.13	61.01	13.66	147.19	50.40
Ward 14.....	28.21	458.96	85.53	25.98	287.07	61.40	Ward 12.....	42.19	292.49	106.68	40.74</		

CITIES OF 100,000 INHABITANTS AND UPWARD.

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DEATH RATES PER 1,000 OF POPULATION—Continued.

CITIES.	DEATH RATES PER 1,000 OF POPULATION.						CITIES.	DEATH RATES PER 1,000 OF POPULATION.					
	Including stillbirths.			Excluding stillbirths.				Including stillbirths.			Excluding stillbirths.		
	All ages.	Under 1 year.	Under 5 years.	All ages.	Under 1 year.	Under 5 years.		All ages.	Under 1 year.	Under 5 years.	All ages.	Under 1 year.	Under 5 years.
Pittsburg—Continued.							St. Louis—Continued.						
Ward 26.....	23.06	221.72	98.59	21.64	171.95	86.07	Ward 16.....	18.98	218.51	58.70	17.60	169.67	48.05
Ward 27.....	25.33	247.00	96.95	23.03	187.05	83.56	Ward 17.....	16.71	267.86	62.05	15.39	196.43	76.68
Ward 28.....	20.12	253.62	79.21	18.95	210.14	69.31	Ward 18.....	15.81	185.43	51.45	14.15	137.21	39.12
Ward 29.....	20.06	352.46	97.00	19.02	311.48	89.16	Ward 19.....	20.05	304.88	79.84	18.33	216.40	60.55
Ward 30.....	23.52	345.68	119.00	20.87	234.57	96.04	Ward 20.....	12.61	230.13	59.49	11.16	142.20	41.12
Ward 31.....	17.62	156.88	48.99	15.55	91.50	34.58	Ward 21.....	17.71	350.22	83.09	15.44	233.01	60.85
Ward 32.....	15.76	211.90	61.54	13.99	146.74	48.35	Ward 22.....	16.71	268.52	62.36	15.75	199.07	60.86
Ward 33.....	21.32	304.35	84.62	21.32	304.35	84.62	Ward 23.....	16.91	170.00	51.80	16.00	134.00	44.34
Ward 34.....	18.58	225.35	90.06	15.69	126.70	68.32	Ward 24.....	17.46	267.61	73.13	16.33	216.90	62.10
Ward 35.....	13.77	150.79	55.87	13.50	142.86	54.00	Ward 25.....	17.36	231.28	62.87	15.83	160.60	49.75
Ward 36.....	21.20	219.05	80.36	19.55	161.90	60.96	Ward 26.....	15.86	248.37	61.67	14.20	180.83	49.25
St. Louis.....	19.14	264.90	72.65	17.38	189.81	56.89	Ward 27.....	15.67	211.54	53.47	13.88	143.16	39.42
Ward 1.....	29.13	671.76	151.81	26.89	427.48	107.29	Ward 28.....	15.01	218.68	57.11	13.31	138.00	41.50
Ward 2.....	32.96	576.16	138.80	30.21	370.86	90.75	St. Paul.....	16.82	228.82	71.54	14.88	161.70	56.40
Ward 3.....	22.83	289.18	92.76	21.28	217.11	76.92	Ward 1.....	19.85	234.60	81.63	17.15	156.46	63.87
Ward 4.....	24.04	340.07	96.18	22.75	246.70	75.57	Ward 2.....	15.22	214.01	65.09	13.32	153.25	52.76
Ward 5.....	19.96	251.13	73.52	18.66	201.36	62.59	Ward 3.....	12.91	307.02	94.14	12.51	280.70	87.87
Ward 6.....	19.87	252.43	67.50	18.08	190.29	53.38	Ward 4.....	17.88	278.79	84.63	16.61	181.82	62.06
Ward 7.....	19.22	230.93	70.40	17.61	183.89	58.91	Ward 5.....	22.03	211.54	69.36	20.50	100.26	57.06
Ward 8.....	24.85	335.18	92.78	22.37	249.77	72.23	Ward 6.....	15.03	227.18	67.92	13.00	166.33	54.15
Ward 9.....	17.20	200.66	59.20	15.75	151.32	48.50	Ward 7.....	16.08	402.87	106.69	14.51	818.61	82.18
Ward 10.....	22.98	302.17	83.93	20.73	217.39	64.75	Ward 8.....	17.05	205.37	64.13	14.65	140.02	49.31
Ward 11.....	15.41	198.73	54.26	14.32	158.56	45.65	Ward 9.....	18.50	200.47	63.25	11.09	125.00	44.85
Ward 12.....	19.36	226.33	67.41	17.26	152.42	51.70	Ward 10.....	11.29	142.86	46.58	10.60	116.88	41.10
Ward 13.....	20.02	282.05	76.98	18.25	205.13	61.87	Ward 11.....	15.05	287.88	87.72	12.21	151.52	50.14
Ward 14.....	18.02	271.23	73.30	15.23	169.81	50.33							
Ward 15.....	28.46	631.67	174.29	24.85	395.60	122.37							

The differences in the total death rates and in the death rates under 5 years of age in different wards of the same city are also indicated by the colored maps for these cities accompanying this report. These marked differences in the death rates in different cities and in different parts of the same city are due to a combination of many influences, among which may be named differences in age, sex, race, and occupation in the groups of population among which the deaths occurred; differences as regards climate, and more especially as regards the effects of temperature and moisture; differences in the density of population, and differences in the incidence of certain forms of contagious or infectious disease.

Comparisons of mere gross death rates for a single year give results of little value in determining the relative healthfulness of different localities, but when they can be made for a considerable series of years, more reliable conclusions can be drawn from them.

For most of the cities it is not possible to obtain the death rates for any long series of years, owing to the fact that changes in the area of the city are made from time to time without an accurate count of the population in the new area added to the municipality, and hence it is impossible to calculate populations for the years intervening between census years.

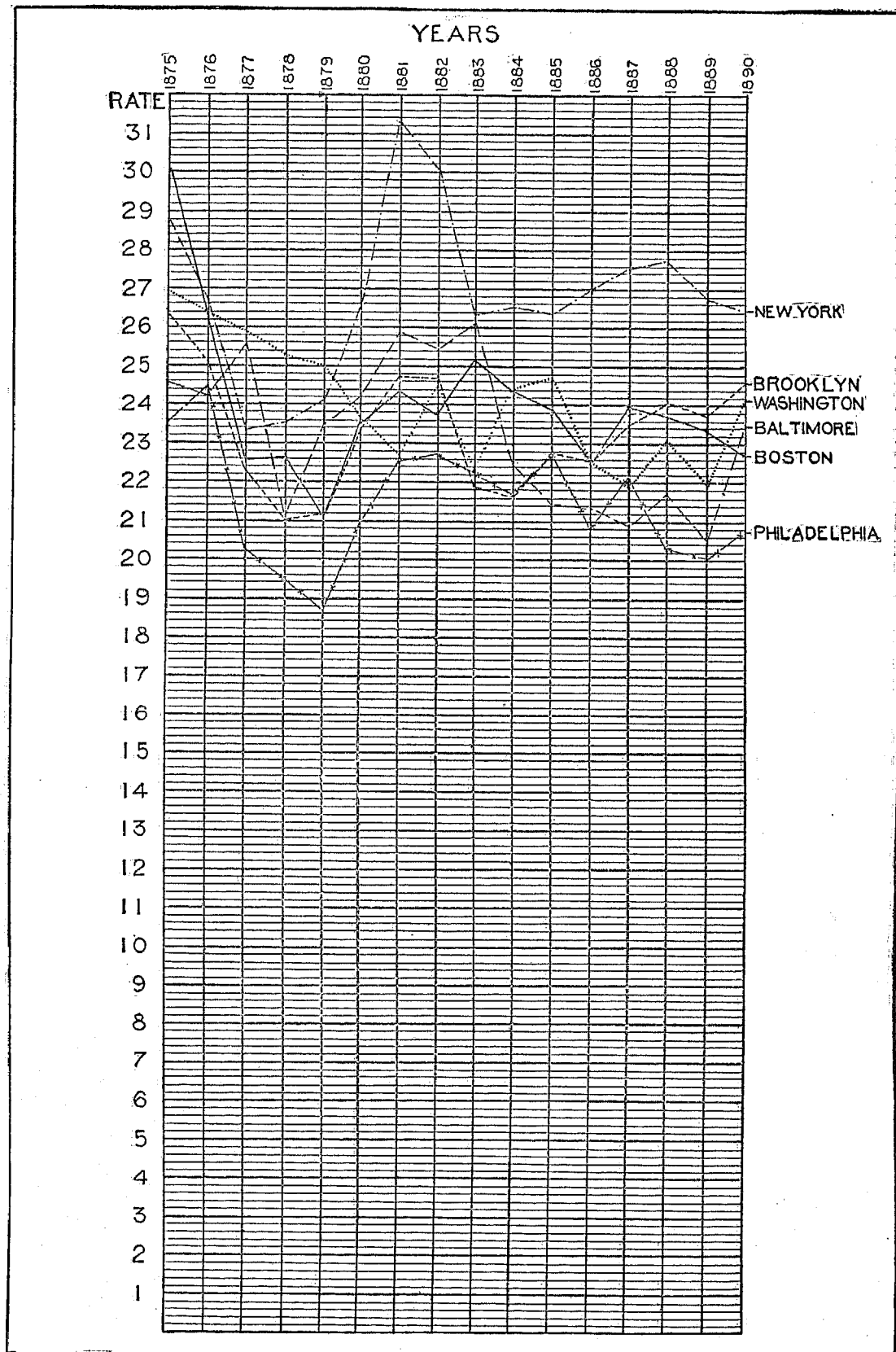
For certain cities, however, this may be done, and the annual reports of the local boards of health furnish the necessary data as to the number of deaths occurring during each year.

The following table shows the death rates, exclusive of stillbirths, in 6 of the cities during each year from 1875 to 1890, inclusive, per 1,000 of population:

YEARS.	New York.	Brooklyn.	Boston.	Philadel- phia.	Baltimore.	Washing- ton.
1875.....	28.80	26.32	30.05	23.56	24.55	26.90
1876.....	26.68	25.12	26.88	24.44	24.23	26.40
1877.....	23.39	22.32	22.53	20.23	25.40	25.91
1878.....	23.52	21.00	22.66	19.45	21.16	25.29
1879.....	24.08	21.16	21.16	18.00	23.43	25.00
1880.....	26.48	23.33	23.51	20.91	24.20	23.68
1881.....	31.30	24.76	24.33	22.55	25.83	22.09
1882.....	30.04	24.69	23.70	22.70	25.45	24.43
1883.....	26.33	21.84	25.10	22.24	26.05	22.32
1884.....	26.51	21.03	24.36	21.60	22.42	24.42
1885.....	26.39	22.74	23.84	22.71	21.40	24.71
1886.....	27.00	22.55	22.49	20.80	21.37	22.51
1887.....	27.51	23.55	23.93	22.11	20.88	21.89
1888.....	27.75	24.04	23.72	20.30	21.70	23.04
1889.....	26.79	23.74	23.37	20.03	20.58	22.95
1890.....	26.47	24.59	22.70	20.76	23.47	24.15

VITAL AND SOCIAL STATISTICS.

The variations in the death rates in the 6 cities given in the preceding table are shown graphically by the following diagram:



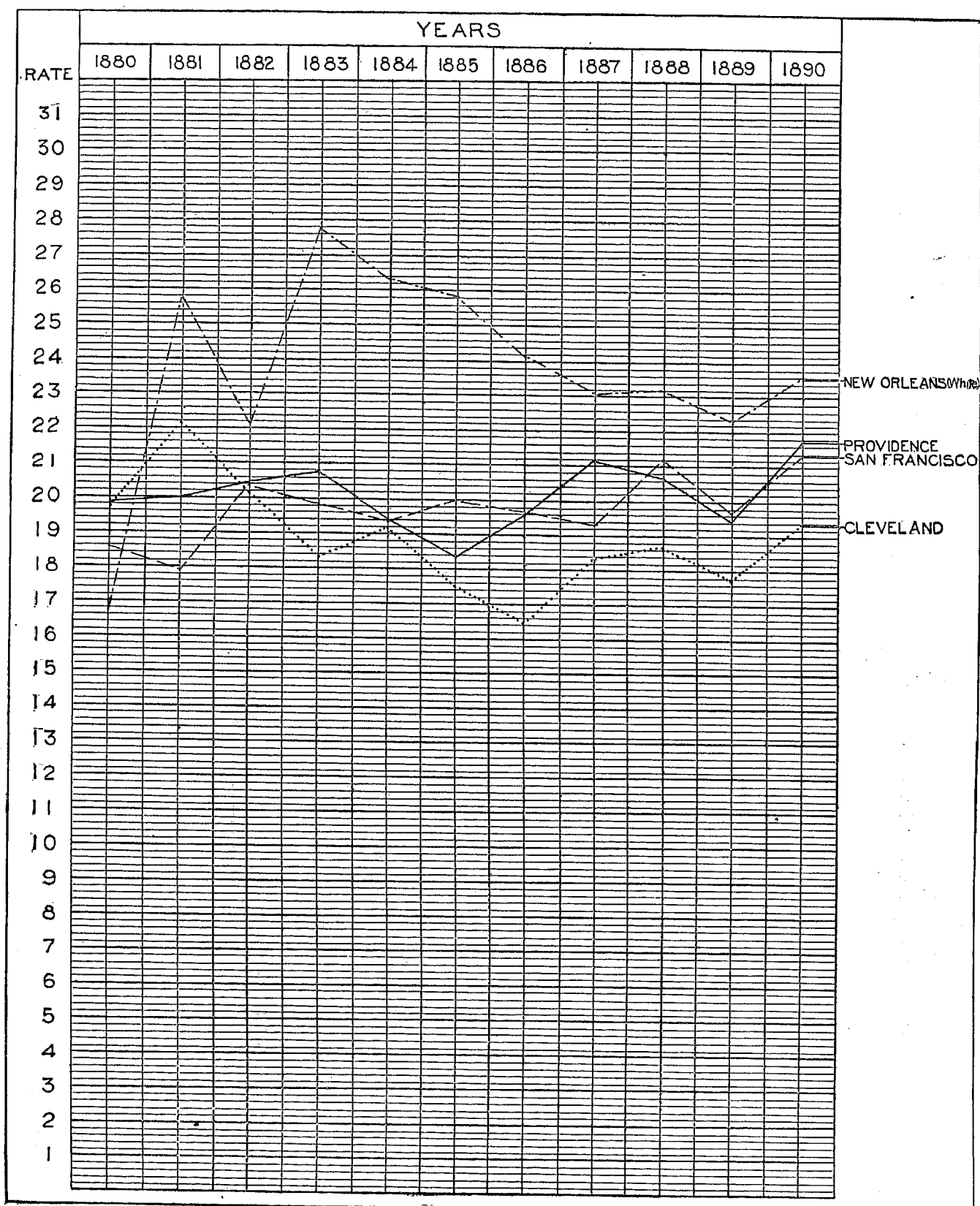
CITIES OF 100,000 INHABITANTS AND UPWARD.

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The following table shows the death rates, exclusive of stillbirths, in 4 of the cities during each year from 1880 to 1890, inclusive, per 1,000 of population:

YEARS.	Providence.	Cleveland.	San Francisco.	New Orleans. (White.)
1880.....	19.84	19.71	18.55	16.65
1881.....	19.99	22.16	17.88	25.77
1882.....	20.41	20.17	20.38	22.11
1883.....	20.71	18.32	19.81	27.78
1884.....	19.41	19.15	19.37	26.35
1885.....	18.88	17.47	19.99	25.81
1886.....	19.55	16.41	19.63	24.14
1887.....	21.17	18.34	19.29	23.02
1888.....	20.67	18.63	21.20	23.19
1889.....	19.44	17.74	19.64	22.38
1890.....	21.77	19.35	21.33	23.57

The variations in the death rates in the 4 cities given in the preceding table are also shown by the following diagram:



CITIES OF 100,000 INHABITANTS AND UPWARD.

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AGE DISTRIBUTION AND BIRTH AND DEATH RATES.

The 4 tables following show, respectively, the population of the 28 cities on June 1, 1890, the proportion of population in each specified age group, the deaths reported as occurring during the census year, and the death rates per 1,000 population of corresponding ages.

The following table shows for the 28 cities and for their aggregate the population on June 1, 1890, by certain groups of ages, with distinction of sex, and, for certain cities, of color:

CITIES.	POPULATION JUNE 1, 1890.							
	All ages.	Age groups.						
		Under 1 year.	Under 5 years.	Under 15 years.	15 to 45 years.	45 to 65 years.	65 years and over.	Unknown.
Total.....	9,697,000	227,391	1,050,637	2,904,118	5,100,410	1,280,547	285,868	28,517
Males.....	4,850,653	115,101	534,870	1,455,068	2,603,767	644,677	128,545	17,096
Females.....	4,847,307	112,290	524,967	1,448,450	2,506,643	635,870	156,623	10,521
Allegheny.....	105,287	2,553	11,949	33,699	55,306	13,022	2,999	201
Males.....	52,612	1,270	6,089	16,021	27,758	6,478	1,858	102
Females.....	52,675	1,283	5,860	16,778	27,608	6,549	1,641	99
Baltimore.....	434,430	9,567	40,081	133,066	221,067	61,610	16,610	886
Males.....	206,114	4,847	23,202	66,086	103,415	29,128	7,114	421
Females.....	228,325	4,720	22,879	67,080	118,552	32,482	9,796	465
White.....	367,143	8,187	39,689	114,293	184,212	52,930	15,124	584
Males.....	170,949	4,188	20,108	57,214	87,762	25,181	6,518	274
Females.....	196,194	3,999	19,581	57,079	96,450	27,749	8,606	310
Colored.....	67,296	1,380	6,392	18,773	37,755	8,680	1,786	302
Males.....	29,165	659	3,094	8,822	15,653	3,947	596	147
Females.....	38,131	721	3,298	9,951	22,102	4,733	1,190	155
Boston.....	448,477	8,797	40,001	112,823	248,371	67,869	17,099	1,815
Males.....	217,754	4,501	20,333	56,705	120,490	32,833	7,136	1,090
Females.....	230,723	4,296	19,668	56,118	128,881	35,036	9,963	725
Brooklyn.....	806,843	19,163	90,811	247,003	421,355	112,008	24,355	1,022
Males.....	394,123	9,638	45,817	123,744	204,381	54,819	10,679	500
Females.....	412,720	9,525	45,404	123,259	216,974	57,189	13,676	522
Buffalo.....	255,664	6,882	32,908	86,014	131,130	29,042	8,038	531
Males.....	128,884	3,528	16,686	43,136	66,748	14,986	3,712	302
Females.....	126,780	3,354	16,222	42,878	64,381	14,056	4,326	229
Chicago.....	1,009,850	30,104	140,783	355,253	594,885	124,013	22,471	3,228
Males.....	508,402	15,281	71,190	178,108	311,163	66,200	10,567	2,364
Females.....	501,448	14,823	69,593	177,145	283,722	57,813	11,904	864
Cincinnati.....	200,908	6,711	31,336	61,100	154,774	40,321	10,177	536
Males.....	145,011	3,371	15,858	45,772	74,956	19,311	4,623	349
Females.....	151,897	3,340	15,478	45,328	79,818	21,010	5,554	187
Cleveland.....	261,353	6,418	31,063	86,402	134,825	32,481	7,732	413
Males.....	132,517	3,215	15,686	43,550	68,546	16,562	3,591	208
Females.....	128,836	3,203	15,377	42,852	66,279	15,919	4,141	145
Denver.....	106,713	2,082	9,558	25,270	66,865	11,540	1,497	1,532
Males.....	60,744	1,061	4,819	12,508	39,490	6,731	728	1,347
Females.....	45,969	1,021	4,739	12,761	27,375	4,809	769	185
Detroit.....	205,876	5,443	25,710	68,236	104,908	20,014	6,812	406
Males.....	101,298	2,700	12,926	34,389	50,503	13,232	2,921	253
Females.....	104,578	2,743	12,784	33,847	54,405	12,782	3,891	153
Indianapolis.....	105,430	1,915	9,452	29,720	56,887	15,112	3,204	433
Males.....	52,303	990	4,882	14,884	27,775	7,795	1,567	232
Females.....	53,127	925	4,570	14,836	29,112	7,317	1,637	201
Jersey city.....	193,003	3,973	18,510	51,545	85,503	21,788	3,081	186
Males.....	82,046	2,007	9,277	25,786	43,117	11,222	1,808	113
Females.....	80,957	1,966	9,233	25,759	42,386	10,566	2,173	73
Kansas city.....	132,716	2,842	12,661	35,187	79,311	14,924	2,289	1,005
Males.....	71,051	1,455	6,408	17,668	42,880	8,524	1,196	777
Females.....	61,665	1,387	6,253	17,519	36,425	6,400	1,093	228

VITAL AND SOCIAL STATISTICS.

POPULATION JUNE 1, 1890—Continued.

CITIES.	POPULATION JUNE 1, 1890.							
	All ages.	Age groups.						
		Under 1 year.	Under 5 years.	Under 15 years.	15 to 45 years.	45 to 65 years.	65 years and over.	Unknown.
Louisville	101,129	3,418	15,465	47,679	85,293	21,961	5,335	861
Males	78,612	1,739	7,898	23,844	41,295	10,607	2,401	465
Females	22,517	1,679	7,567	23,835	43,998	11,354	2,934	396
White	132,457	2,905	13,173	39,996	69,271	18,287	4,499	404
Males	65,264	1,474	6,756	20,133	33,911	8,886	2,085	249
Females	67,193	1,431	6,417	19,863	35,360	9,401	2,414	155
Colored	28,072	513	2,292	7,683	16,022	3,074	836	457
Males	13,348	265	1,142	3,711	7,384	1,721	310	216
Females	15,324	248	1,150	3,972	8,638	1,353	520	241
Milwaukee	204,468	5,894	28,119	75,277	99,396	22,848	6,524	423
Males	100,773	2,920	14,038	37,333	48,385	11,628	3,160	201
Females	103,695	2,974	14,081	37,944	51,011	11,220	3,368	162
Minneapolis	164,738	4,207	19,397	46,607	97,084	10,535	3,471	1,041
Males	87,643	2,173	9,896	23,571	52,569	9,122	1,005	716
Females	77,095	2,034	9,501	23,036	44,515	7,413	1,806	325
Newark	181,830	4,131	20,121	57,042	93,088	25,598	5,915	187
Males	88,080	2,111	10,135	28,532	45,248	12,497	2,608	95
Females	92,850	2,020	9,986	28,510	47,840	13,101	3,307	92
New Orleans	242,039	5,132	25,921	78,416	118,008	35,464	9,092	549
Males	113,467	2,587	12,944	38,996	54,308	16,191	3,745	227
Females	128,572	2,545	12,977	39,420	64,300	19,273	5,257	322
White	177,376	3,842	19,134	57,681	87,835	25,004	6,516	240
Males	84,531	1,943	9,526	28,790	41,050	11,895	2,730	96
Females	92,845	1,899	9,608	28,891	46,285	13,799	3,726	144
Colored	64,663	1,290	6,787	20,735	31,273	9,800	2,486	309
Males	28,936	644	3,413	10,206	13,258	4,380	955	131
Females	35,727	646	3,369	10,529	18,015	5,474	1,531	178
New York	1,515,301	37,076	164,686	435,363	835,068	202,023	88,029	3,018
Males	747,579	18,847	82,746	217,432	409,481	101,351	17,350	1,965
Females	767,722	18,229	81,940	217,931	426,187	100,672	21,279	1,653
Omaha	140,452	2,833	16,263	42,848	84,677	10,900	1,392	635
Males	80,108	1,411	8,372	22,106	50,201	6,450	710	542
Females	60,344	1,422	7,891	20,742	34,386	4,441	682	93
Philadelphia	1,040,964	23,077	103,802	291,900	558,748	153,405	40,781	2,132
Males	511,122	11,652	52,465	147,195	272,260	73,149	17,515	1,003
Females	529,842	11,425	51,337	144,705	286,488	80,256	23,266	1,129
Pittsburg	238,617	6,156	28,724	78,078	126,320	27,118	5,674	527
Males	124,429	3,191	14,755	39,993	67,337	14,162	2,597	340
Females	114,188	2,965	13,969	38,085	58,983	12,956	3,077	187
Providence	132,140	2,470	11,410	34,003	71,087	21,254	5,513	229
Males	63,569	1,238	5,710	17,126	34,003	10,015	2,312	113
Females	68,577	1,241	5,700	16,877	37,084	11,239	3,201	116
Rochester	133,896	2,000	14,123	40,689	69,761	17,748	5,322	676
Males	64,453	1,441	7,082	20,403	33,202	8,245	2,380	217
Females	69,443	1,459	7,041	20,286	36,559	9,503	2,936	159
St. Louis	451,770	10,574	50,395	142,328	237,016	58,681	12,032	1,713
Males	228,114	5,374	25,499	71,355	119,515	30,481	5,632	1,181
Females	223,656	5,200	24,896	70,973	117,501	28,200	6,400	532
White	424,704	10,040	48,016	135,019	221,412	55,593	11,440	1,240
Males	214,867	5,106	24,806	67,776	111,015	28,975	5,415	786
Females	209,837	4,934	23,210	67,243	109,497	26,618	6,025	454
Colored	27,066	534	2,379	7,309	15,604	3,088	592	473
Males	13,247	268	1,193	3,579	7,600	1,506	217	845
Females	13,819	266	1,186	3,730	8,004	1,582	375	128
St. Paul	133,156	3,859	17,109	41,006	75,957	12,020	2,709	564
Males	69,561	1,906	8,537	20,538	40,325	6,977	1,320	401
Females	63,595	1,953	8,522	20,468	35,632	5,043	1,389	163

CITIES OF 100,000 INHABITANTS AND UPWARD.

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POPULATION JUNE 1, 1890—Continued.

CITIES.	POPULATION JUNE 1, 1890.							
	All ages.	Age groups.						
		Under 1 year.	Under 5 years.	Under 15 years.	15 to 45 years.	45 to 65 years.	65 years and over.	Unknown.
San Francisco.....	298,997	4,738	22,976	71,318	171,502	46,804	7,396	1,917
Males.....	169,800	2,439	11,687	35,939	100,804	27,710	4,262	1,585
Females.....	129,197	2,299	11,289	35,379	71,258	19,094	3,134	832
Washington.....	230,392	4,467	20,803	64,677	118,991	36,644	8,579	1,501
Males.....	109,584	2,208	10,153	32,098	54,070	18,767	3,876	787
Females.....	120,808	2,259	10,150	32,579	64,915	17,877	4,703	714
White.....	154,095	2,894	13,800	41,801	78,709	26,892	6,426	807
Males.....	75,753	1,439	6,751	21,000	37,182	14,020	3,074	408
Females.....	78,942	1,455	6,549	20,801	41,527	12,863	3,352	399
Colored.....	75,697	1,573	7,003	22,876	40,282	9,752	2,153	694
Males.....	33,831	769	3,402	11,098	18,894	4,738	802	299
Females.....	41,866	804	3,601	11,778	23,388	5,014	1,351	395

The following table shows for the 28 cities and for their aggregate the population on June 1, 1890, and the proportion in each age group per 100,000 of all ages, with distinction of sex, and, for certain cities, with distinction of color:

CITIES.	POPULATION JUNE 1, 1890.							
	All ages.	Proportion in each age group per 100,000 of all ages.						
		Under 1 year.	Under 5 years.	Under 15 years.	15 to 45 years.	45 to 65 years.	65 years and over.	Unknown.
Total.....	9,697,960	2,345	10,926	20,946	53,013	13,204	2,043	204
Males.....	4,850,653	2,373	11,023	20,010	53,070	13,200	2,050	371
Females.....	4,847,307	2,317	10,830	20,882	53,548	13,118	3,285	217
Allegheny.....	105,287	2,425	11,840	32,007	52,586	12,868	2,848	191
Males.....	52,612	2,414	11,573	32,162	52,760	12,803	2,581	104
Females.....	52,675	2,436	11,125	31,852	52,412	12,433	3,116	188
Baltimore.....	434,430	2,202	10,607	30,620	51,003	14,182	3,892	204
Males.....	206,114	2,352	11,257	32,030	50,174	14,132	3,451	204
Females.....	228,325	2,067	10,020	29,367	51,923	14,226	4,290	204
White.....	367,143	2,230	10,810	31,130	50,175	14,417	4,110	150
Males.....	176,949	2,367	11,364	32,334	49,507	14,231	3,083	155
Females.....	190,194	2,103	10,295	30,011	50,711	14,590	4,525	103
Colored.....	67,286	2,051	9,498	27,806	56,103	12,898	2,054	440
Males.....	29,163	2,200	10,609	30,210	53,070	13,533	2,044	504
Females.....	38,123	1,891	8,049	26,097	57,063	12,412	3,121	407
Boston.....	448,477	1,062	8,919	25,157	55,492	15,133	3,813	405
Males.....	217,764	2,067	9,338	26,041	55,333	14,848	3,277	501
Females.....	230,723	1,862	8,525	24,323	55,643	15,402	4,318	314
Brooklyn.....	806,343	2,377	11,262	30,707	52,255	13,891	3,020	127
Males.....	394,123	2,445	11,498	31,297	51,857	13,909	2,710	127
Females.....	412,220	2,311	11,086	30,047	52,635	13,873	3,318	127
Buffalo.....	235,604	2,092	12,872	33,043	51,294	11,711	3,144	208
Males.....	128,884	2,737	12,947	33,469	51,789	11,028	2,880	234
Females.....	126,780	2,046	12,795	33,821	50,789	11,797	3,412	181
Chicago.....	1,099,850	2,737	12,803	32,300	54,088	11,275	2,043	204
Males.....	568,402	2,688	12,525	31,335	54,743	11,047	1,859	410
Females.....	531,448	2,780	13,095	33,332	53,387	10,878	2,240	103
Cincinnati.....	296,908	2,260	10,554	30,688	52,120	13,580	3,428	180
Males.....	145,011	2,325	10,930	31,504	51,090	13,317	3,188	241
Females.....	151,897	2,199	10,190	29,841	52,548	13,832	3,050	123
Cleveland.....	261,353	2,456	11,885	33,060	51,896	12,428	2,058	158
Males.....	132,517	2,426	11,837	32,864	51,726	12,498	2,710	202
Females.....	128,836	2,486	11,935	33,261	51,056	12,356	3,214	113
Denver.....	106,713	1,951	8,957	23,080	62,059	10,814	1,403	1,435
Males.....	60,744	1,747	7,933	20,501	64,612	11,081	1,198	2,218
Females.....	45,969	2,221	10,300	27,782	59,682	10,461	1,673	402
Detroit.....	205,876	2,044	12,488	33,144	50,957	12,636	3,060	107
Males.....	101,298	2,065	12,760	33,348	49,856	13,062	2,884	250
Females.....	104,578	2,023	12,224	32,305	52,023	12,223	3,243	146
Indianapolis.....	105,436	1,816	8,965	23,188	53,954	14,833	3,007	458
Males.....	52,303	1,893	9,334	23,457	53,104	14,804	2,996	530
Females.....	53,133	1,741	8,601	27,022	54,791	13,771	3,138	378
Jersey city.....	103,003	2,437	11,356	31,022	52,455	13,367	2,442	114
Males.....	52,046	2,446	11,307	31,420	52,552	13,078	2,203	108
Females.....	50,957	2,428	11,405	31,818	52,356	13,052	2,684	90
Kansas city.....	132,716	2,141	9,540	26,513	59,760	11,245	1,725	757
Males.....	71,051	2,048	9,019	24,867	60,350	11,067	1,083	1,091
Females.....	61,665	2,249	10,140	28,410	59,069	10,379	1,772	870
Louisville.....	161,129	2,121	9,598	20,591	52,035	13,029	3,311	594
Males.....	78,612	2,212	10,047	30,331	52,530	13,493	3,054	502
Females.....	82,517	2,035	9,170	28,885	53,320	13,769	3,556	480
White.....	132,457	2,193	9,945	30,195	52,297	13,806	3,397	305
Males.....	65,264	2,259	10,352	30,840	51,060	13,615	3,195	361
Females.....	67,193	2,130	9,550	29,561	52,624	13,901	3,593	231
Colored.....	28,672	1,789	7,994	26,798	55,880	12,814	2,916	1,594
Males.....	13,348	1,985	8,556	27,802	55,319	12,893	2,808	1,618
Females.....	15,324	1,618	7,505	25,920	56,369	12,745	3,303	1,578

CITIES OF 100,000 INHABITANTS AND UPWARD.

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POPULATION: PROPORTION IN EACH AGE GROUP PER 100,000—Continued.

CITIES.	POPULATION JUNE 1, 1890.							
	All ages.	Proportion in each age group per 100,000 of all ages.						
		Under 1 year.	Under 5 years.	Under 15 years.	15 to 45 years.	45 to 65 years.	65 years and over.	Unknown.
Milwaukee.....	204,468	2,883	13,752	36,816	48,612	11,174	3,191	207
Males.....	100,773	2,898	13,930	37,046	48,014	11,539	3,142	259
Females.....	103,695	2,868	13,579	36,592	49,193	10,820	3,239	156
Minneapolis.....	164,738	2,554	11,774	28,292	58,932	10,037	2,107	632
Males.....	87,043	2,479	11,291	26,894	59,981	10,408	1,900	817
Females.....	77,695	2,638	12,324	20,880	57,740	9,015	2,343	422
Newark.....	181,830	2,272	11,060	31,371	51,195	14,078	3,253	103
Males.....	88,980	2,372	11,390	32,065	50,852	14,045	2,931	107
Females.....	92,850	2,170	10,755	30,705	51,524	14,110	3,562	99
New Orleans.....	242,030	2,120	10,709	32,398	49,004	14,052	3,719	227
Males.....	113,467	2,280	11,408	34,868	47,862	14,269	3,301	200
Females.....	128,572	1,979	10,093	30,600	50,011	14,990	4,089	250
White.....	177,376	2,166	10,787	32,510	49,237	14,435	3,074	135
Males.....	84,531	2,290	11,209	34,058	48,562	13,965	3,301	114
Females.....	92,845	2,045	10,348	31,118	49,852	14,862	4,013	155
Colored.....	64,663	1,905	10,406	32,066	48,303	15,248	3,845	478
Males.....	28,936	2,226	11,812	35,271	45,818	15,158	3,300	453
Females.....	35,727	1,808	9,480	29,471	50,424	15,322	4,285	498
New York.....	1,515,301	2,447	10,868	28,731	55,140	13,332	2,540	230
Males.....	747,579	2,521	11,069	29,085	51,774	13,557	2,321	263
Females.....	767,722	2,374	10,673	28,387	56,513	13,113	2,772	215
Omaha.....	140,452	2,017	11,579	30,507	60,289	7,761	991	452
Males.....	80,108	1,761	10,461	27,595	62,779	8,063	888	677
Females.....	60,344	2,356	13,077	34,373	56,983	7,390	1,190	154
Philadelphia.....	1,046,064	2,204	9,015	27,881	53,368	14,652	3,895	204
Males.....	511,122	2,280	10,271	28,798	53,297	14,312	3,427	196
Females.....	535,842	2,132	9,575	27,065	53,465	14,977	4,342	211
Pittsburg.....	238,617	2,580	12,038	33,098	52,038	11,365	2,378	221
Males.....	124,420	2,665	11,858	32,141	54,117	11,382	2,087	273
Females.....	114,188	2,597	12,233	34,141	51,654	11,346	2,695	164
Providence.....	132,146	1,876	8,634	25,777	53,794	16,084	4,172	178
Males.....	63,569	1,947	8,932	26,941	53,490	15,754	3,637	178
Females.....	68,577	1,810	8,312	24,698	54,076	16,389	4,668	169
Rochester.....	133,896	2,166	10,548	30,388	52,191	13,255	3,975	281
Males.....	64,453	2,236	10,988	31,650	51,513	12,792	3,702	337
Females.....	69,443	2,101	10,139	29,212	52,646	13,685	4,228	229
St. Louis.....	451,770	2,341	11,155	31,505	52,464	12,989	2,663	370
Males.....	228,114	2,856	11,178	31,280	52,393	13,362	2,469	490
Females.....	223,656	2,325	11,131	31,733	52,636	12,699	2,862	260
White.....	424,704	2,304	11,306	31,791	52,133	13,090	2,694	292
Males.....	214,867	2,876	11,312	31,543	52,086	13,485	2,520	366
Females.....	209,837	2,351	11,299	32,045	52,182	12,685	2,871	217
Colored.....	27,066	1,973	8,790	27,004	52,662	11,400	2,187	1,748
Males.....	13,247	2,023	9,066	27,017	57,372	11,369	1,638	2,604
Females.....	13,819	1,925	8,582	26,992	57,020	11,448	2,714	926
St. Paul.....	133,156	2,898	12,849	30,795	57,044	9,703	2,034	424
Males.....	69,561	2,740	12,345	29,525	57,071	10,030	1,698	570
Females.....	63,595	3,071	13,400	32,135	56,930	9,345	2,184	256
San Francisco.....	298,997	1,585	7,684	23,852	57,379	15,654	2,474	641
Males.....	169,890	1,436	6,883	21,166	59,072	16,319	2,510	633
Females.....	129,197	1,779	8,738	27,384	55,154	14,779	2,426	257
Washington.....	230,392	1,930	8,812	28,073	51,647	15,905	3,724	651
Males.....	109,584	2,015	9,265	29,291	49,946	17,120	3,537	700
Females.....	120,808	1,870	8,402	26,968	53,784	14,798	3,893	607
White.....	154,695	1,871	8,598	27,022	50,880	17,384	4,154	560
Males.....	75,753	1,900	8,912	27,722	49,083	18,519	4,058	618
Females.....	78,942	1,843	8,296	26,350	52,005	16,264	4,240	505
Colored.....	75,697	2,078	9,251	30,220	53,215	12,883	2,844	838
Males.....	33,331	2,273	10,056	32,804	49,036	14,005	2,371	884
Females.....	41,866	1,920	8,601	28,133	55,884	11,070	3,227	800

VITAL AND SOCIAL STATISTICS.

The following table shows for the 28 cities and for their aggregate the number of deaths reported as occurring during the census year, by certain groups of ages, with distinction of sex, and, for certain cities, with distinction of color, stillbirths included:

CITIES.	DEATHS.							
	All ages.	Age groups.						
		Under 1 year.	Under 5 years.	Under 15 years.	15 to 45 years.	45 to 65 years.	65 years and over.	Unknown.
Total.....	225,068	70,163	98,964	109,959	55,708	34,093	25,619	580
Males.....	121,783	39,074	53,987	59,494	30,591	19,287	12,077	334
Females.....	104,185	31,089	44,977	50,465	25,117	14,806	13,542	255
Allegheny.....	2,122	647	932	1,088	483	274	274	8
Males.....	1,108	344	480	550	259	157	130	8
Females.....	1,014	303	452	529	224	117	144	
Baltimore.....	10,752	3,679	5,092	5,524	2,224	1,517	1,487	
Males.....	5,491	2,049	2,778	2,997	1,088	788	618	
Females.....	5,261	1,630	2,314	2,527	1,136	729	869	
White.....	8,302	2,695	3,761	4,085	1,659	1,257	1,301	
Males.....	4,266	1,506	2,054	2,226	852	640	542	
Females.....	4,036	1,189	1,707	1,859	807	611	759	
Colored.....	2,450	984	1,331	1,439	565	260	186	
Males.....	1,225	543	724	771	236	142	70	
Females.....	1,225	441	607	668	329	118	110	
Boston.....	11,117	2,903	4,091	4,099	3,027	1,860	1,619	2
Males.....	5,678	1,607	2,232	2,481	1,562	930	699	
Females.....	5,439	1,296	1,859	2,128	1,465	924	920	2
Brooklyn.....	20,593	6,217	9,100	10,160	4,774	3,298	2,358	3
Males.....	10,637	3,401	4,969	5,511	2,599	1,795	1,030	2
Females.....	9,956	2,756	4,131	4,649	2,175	1,503	1,328	1
Buffalo.....	5,087	1,886	2,470	2,674	1,063	684	666	
Males.....	2,784	1,069	1,362	1,470	574	405	335	
Females.....	2,303	817	1,108	1,204	489	279	331	
Chicago.....	23,162	8,607	12,040	13,315	5,283	2,797	1,735	32
Males.....	12,693	4,833	6,596	7,204	2,926	1,680	863	20
Females.....	10,469	3,774	5,453	6,111	2,357	1,117	872	12
Cincinnati.....	6,640	1,743	2,800	3,203	1,589	1,012	835	1
Males.....	3,610	974	1,502	1,710	871	604	431	
Females.....	3,024	769	1,298	1,493	718	408	404	1
Cleveland.....	5,736	1,990	2,918	3,295	1,150	653	637	1
Males.....	3,152	1,155	1,640	1,837	643	375	297	
Females.....	2,584	835	1,278	1,458	507	278	340	1
Denver.....	2,584	662	987	1,202	927	201	131	33
Males.....	1,513	343	511	615	615	108	66	19
Females.....	1,071	319	476	587	312	93	65	14
Detroit.....	4,203	1,515	2,162	2,415	843	495	478	2
Males.....	2,181	844	1,182	1,296	395	255	233	2
Females.....	2,022	671	980	1,119	448	210	245	
Indianapolis.....	1,987	525	745	868	576	244	268	31
Males.....	1,053	310	439	495	264	147	131	16
Females.....	934	215	306	373	312	97	137	15
Jersey city.....	4,484	1,394	2,040	2,323	1,137	681	341	2
Males.....	2,409	786	1,143	1,282	634	379	172	2
Females.....	2,015	608	906	1,041	503	302	169	
Kansas city.....	2,553	882	1,250	1,403	704	263	108	15
Males.....	1,357	487	666	734	381	151	84	7
Females.....	1,196	395	584	669	323	112	84	8
Louisville.....	3,514	955	1,348	1,521	956	526	467	44
Males.....	1,900	545	758	845	514	293	224	24
Females.....	1,614	410	590	676	442	233	243	20
White.....	2,597	715	987	1,102	669	410	381	35
Males.....	1,400	421	579	637	378	235	197	18
Females.....	1,197	294	408	465	296	175	184	17
Colored.....	917	240	361	419	287	116	86	9
Males.....	440	124	179	208	141	58	27	6
Females.....	477	116	182	211	146	58	59	3

CITIES OF 100,000 INHABITANTS AND UPWARD.

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DEATHS DURING THE CENSUS YEAR IN EACH AGE GROUP—Continued.

CITIES.	DEATHS.							
	All ages.	Age groups.						
		Under 1 year.	Under 5 years.	Under 15 years.	15 to 45 years.	45 to 65 years.	65 years and over.	Unknown.
Milwaukee.....	3,912	1,411	1,940	2,169	774	484	400	10
Males.....	2,069	780	1,043	1,144	398	244	269	14
Females.....	1,873	631	906	1,025	376	240	227	5
Minneapolis.....	2,440	848	1,103	1,325	685	255	173	2
Males.....	1,314	478	647	722	337	166	89	2
Females.....	1,126	370	516	603	348	89	84	2
Newark.....	5,280	1,608	2,405	2,720	1,204	700	550	10
Males.....	2,782	868	1,266	1,427	658	437	251	9
Females.....	2,498	740	1,139	1,293	546	263	305	1
New Orleans.....	6,875	1,928	2,473	2,767	1,799	1,280	1,021	8
Males.....	3,724	1,084	1,370	1,518	997	756	450	3
Females.....	3,151	844	1,103	1,249	802	524	571	5
White.....	4,508	1,306	1,671	1,842	1,130	875	656	5
Males.....	2,546	748	948	1,040	640	545	310	2
Females.....	1,962	558	723	802	491	330	346	3
Colored.....	2,367	622	802	925	669	405	365	3
Males.....	1,178	336	422	478	348	211	140	1
Females.....	1,189	286	380	447	321	194	225	2
New York.....	43,378	13,659	19,242	20,719	11,284	7,208	4,071	6
Males.....	23,424	7,579	10,475	11,255	6,206	3,664	1,870	3
Females.....	19,954	6,080	8,767	9,464	5,078	3,544	2,201	3
Omaha.....	1,397	403	630	741	420	126	94	16
Males.....	780	241	363	415	232	78	48	7
Females.....	617	162	267	326	188	48	46	9
Philadelphia.....	23,738	6,762	9,334	10,389	5,800	3,037	3,030	282
Males.....	12,419	3,707	5,052	5,593	3,088	1,940	1,660	148
Females.....	11,319	3,055	4,282	4,796	2,712	1,097	1,370	134
Pittsburg.....	5,206	1,562	2,520	2,878	1,236	594	497	1
Males.....	2,612	874	1,377	1,540	755	373	243	1
Females.....	2,594	688	1,143	1,338	481	221	254	1
Providence.....	2,055	707	1,030	1,177	737	502	539	1
Males.....	1,503	379	559	626	395	248	234	1
Females.....	1,452	328	471	551	342	254	305	1
Rochester.....	2,323	554	792	903	578	372	450	14
Males.....	1,215	302	428	490	304	193	217	11
Females.....	1,108	252	364	413	274	179	233	3
St. Louis.....	8,645	2,801	3,661	4,008	2,174	1,420	942	11
Males.....	4,853	1,607	2,033	2,271	1,216	871	489	9
Females.....	3,792	1,194	1,628	1,737	958	549	453	2
White.....	7,710	2,566	3,259	3,653	1,876	1,298	874	9
Males.....	4,353	1,451	1,820	2,036	1,051	610	440	7
Females.....	3,357	1,055	1,439	1,617	825	488	434	2
Colored.....	935	295	402	445	298	122	68	2
Males.....	500	150	213	235	165	61	37	2
Females.....	435	145	189	210	133	61	31	1
St. Paul.....	2,240	883	1,224	1,365	506	201	157	11
Males.....	1,222	502	686	746	280	118	91	7
Females.....	1,018	381	538	619	226	83	66	4
San Francisco.....	7,060	1,544	2,048	2,299	2,345	1,615	760	85
Males.....	4,463	822	1,079	1,209	1,020	1,132	478	24
Females.....	2,597	722	969	1,090	1,325	483	282	11
Washington.....	5,955	1,883	2,401	2,809	1,430	954	757	5
Males.....	3,171	1,044	1,351	1,502	710	574	382	3
Females.....	2,784	844	1,140	1,307	720	380	375	2
White.....	3,062	793	1,054	1,188	736	426	510	2
Males.....	1,698	444	573	642	390	300	274	2
Females.....	1,364	349	481	546	346	236	236	1
Colored.....	2,893	1,095	1,437	1,621	694	328	247	3
Males.....	1,473	600	778	860	320	184	108	1
Females.....	1,420	495	659	761	374	144	139	2

VITAL AND SOCIAL STATISTICS.

The following table shows for the 28 cities and for their aggregate the death rates at certain groups of ages per 1,000 population of corresponding ages, with distinction of sex, and, for certain cities, with distinction of color, stillbirths excluded:

CITIES.	DEATH RATES PER 1,000 OF POPULATION.						
	All ages.	Age groups.					
		Under 1 year.	Under 5 years.	Under 15 years.	15 to 45 years.	45 to 65 years.	65 years and over.
Total	21.62	239.81	78.00	32.25	10.71	26.62	89.78
Males.....	23.16	257.37	83.30	34.38	11.75	20.02	93.95
Females.....	20.08	215.73	72.60	30.10	9.68	23.23	85.86
Allegheny	18.17	171.50	60.51	20.08	8.72	21.04	91.86
Males.....	19.01	185.83	61.09	20.05	9.33	24.25	95.73
Females.....	17.33	157.44	59.90	25.51	8.11	17.87	87.75
Baltimore.....	22.89	300.09	92.97	35.44	10.02	24.02	87.94
Males.....	24.34	324.74	99.26	38.19	10.52	27.05	80.87
Females.....	21.58	274.79	86.59	32.73	9.58	22.44	88.71
White.....	21.05	258.05	80.27	30.71	9.01	23.75	86.02
Males.....	22.18	277.94	85.14	32.03	9.71	25.05	83.15
Females.....	20.00	239.06	75.28	28.49	8.37	22.02	88.10
Colored.....	32.94	544.20	171.78	64.24	14.96	20.05	104.14
Males.....	37.44	622.15	191.01	72.32	15.08	35.98	127.52
Females.....	29.50	472.95	153.73	57.08	14.89	24.93	92.44
Boston.....	23.44	261.34	87.17	35.50	12.16	27.41	94.68
Males.....	24.55	293.05	93.89	37.88	12.00	28.95	97.95
Females.....	22.40	238.59	80.74	33.09	11.41	26.00	92.34
Brooklyn.....	23.89	254.87	85.53	35.05	11.33	29.44	90.82
Males.....	25.74	277.03	92.19	38.14	12.72	32.74	90.45
Females.....	22.11	232.44	78.89	33.16	10.02	26.28	97.10
Buffalo.....	18.38	217.67	63.27	26.58	8.11	22.84	82.80
Males.....	19.82	238.10	67.90	28.77	8.00	27.03	90.25
Females.....	16.91	196.18	58.50	24.37	7.59	18.65	76.51
Chicago.....	19.05	212.00	69.02	31.27	8.88	22.55	77.21
Males.....	20.12	233.85	74.98	33.38	9.40	25.38	81.07
Females.....	17.92	190.72	64.75	29.15	8.31	19.32	73.25
Cincinnati.....	21.00	199.23	76.40	30.70	10.27	25.10	82.05
Males.....	23.10	212.70	78.51	31.74	11.63	31.28	93.23
Females.....	18.93	185.69	74.23	29.65	9.00	19.42	72.74
Cleveland.....	20.21	239.33	79.32	32.88	8.56	20.10	82.88
Males.....	21.60	269.05	86.06	35.52	9.38	22.04	82.71
Females.....	18.78	209.49	72.45	30.20	7.71	17.40	82.11
Denver.....	23.00	255.52	89.66	42.41	13.80	25.22	87.51
Males.....	23.77	258.25	91.72	43.65	15.00	29.42	90.60
Females.....	21.97	252.60	87.57	41.19	11.87	19.34	81.53
Detroit.....	18.70	213.80	70.32	30.20	8.04	17.87	75.73
Males.....	19.35	230.74	74.35	31.26	7.82	19.27	79.77
Females.....	18.06	196.14	66.25	29.13	8.23	16.43	72.25
Indianapolis.....	17.32	190.08	61.79	28.79	10.13	16.15	82.87
Males.....	18.22	212.12	69.44	26.54	9.50	18.88	83.60
Females.....	16.43	166.40	53.61	21.03	10.72	13.26	82.18
Jersey city.....	25.03	273.85	94.17	39.13	13.30	31.26	85.66
Males.....	27.96	304.43	104.34	42.93	14.70	33.77	95.18
Females.....	23.27	242.62	83.94	35.33	11.87	28.58	77.77
Kansas city.....	17.30	219.92	73.43	32.57	8.88	17.02	73.39
Males.....	17.14	230.18	82.24	33.08	8.88	17.71	70.23
Females.....	17.48	199.71	74.52	31.45	8.87	17.50	70.85
Louisville.....	20.69	198.36	69.25	26.00	11.21	23.95	87.54
Males.....	21.09	215.07	74.32	28.27	12.45	27.02	93.29
Females.....	18.28	181.06	63.96	23.91	10.05	20.52	82.82
White.....	18.16	180.38	60.43	22.78	9.60	22.42	84.69
Males.....	20.40	202.17	67.50	25.53	11.00	26.45	94.48
Females.....	15.91	157.93	52.98	19.99	8.37	18.62	76.22
Colored.....	28.98	300.19	119.98	43.34	17.91	31.57	102.87
Males.....	29.37	286.79	114.71	43.12	19.10	33.70	85.44
Females.....	28.65	314.52	125.22	43.55	16.90	29.70	113.46

CITIES OF 100,000 INHABITANTS AND UPWARD.

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DEATH RATES PER 1,000 OF POPULATION—Continued.

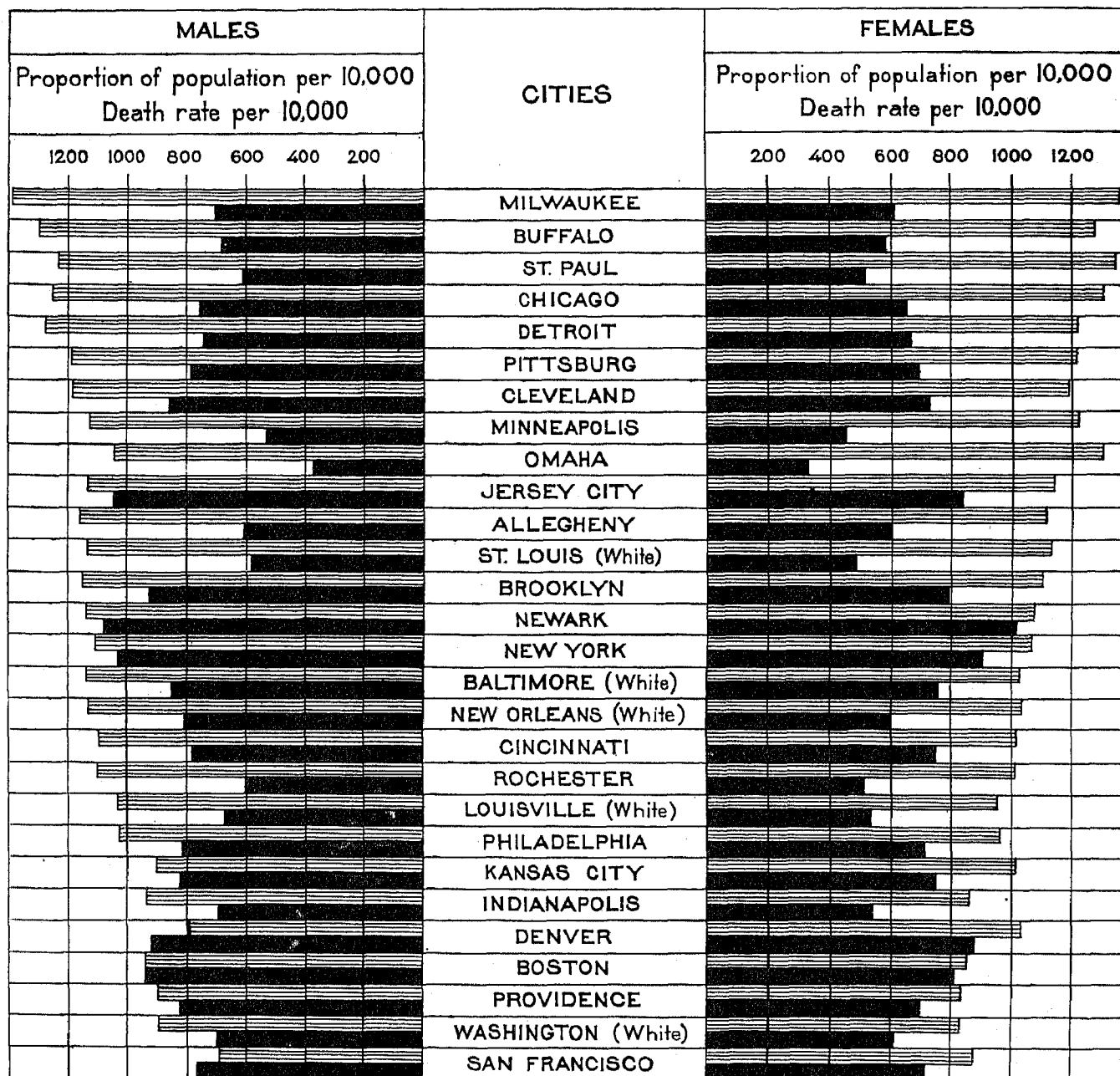
CITIES.	DEATH RATES PER 1,000 OF POPULATION.						
	All ages.	Age groups.					
		Under 1 year.	Under 5 years.	Under 15 years.	15 to 45 years.	45 to 65 years.	65 years and over.
Milwaukee.....	18.78	221.92	65.65	27.45	7.79	21.18	76.03
Males.....	19.97	247.60	70.24	29.12	8.23	20.98	84.97
Females.....	17.62	196.70	61.08	25.80	7.37	21.39	67.60
Minneapolis.....	13.54	151.89	49.18	23.94	7.06	15.42	49.84
Males.....	13.59	163.37	52.05	25.41	6.41	18.20	53.45
Females.....	13.49	139.03	45.20	22.44	7.82	12.01	46.51
Newark.....	27.40	317.36	104.77	42.48	12.93	30.86	94.00
Males.....	29.84	330.18	103.04	44.02	14.54	34.07	96.24
Females.....	25.55	303.96	101.44	40.93	11.41	26.04	92.23
New Orleans.....	26.26	274.55	75.38	28.67	15.17	36.09	113.42
Males.....	30.85	310.78	84.21	31.75	18.36	46.69	120.16
Females.....	22.65	237.72	66.58	25.02	12.47	27.19	108.02
White.....	23.57	254.55	70.19	26.25	12.94	34.17	100.68
Males.....	27.08	291.82	80.52	29.84	15.81	40.17	111.11
Females.....	19.55	216.43	59.95	22.07	10.39	23.91	92.86
Colored.....	33.65	334.11	90.03	35.40	21.39	41.08	146.82
Males.....	37.29	368.01	94.50	37.14	26.25	48.11	140.60
Females.....	30.71	300.31	85.49	33.72	17.82	35.44	140.96
New York.....	26.45	279.86	96.79	40.01	13.50	36.12	105.39
Males.....	28.75	290.57	103.23	42.87	15.38	39.41	103.13
Females.....	24.21	258.43	90.29	37.14	11.70	32.82	103.15
Omaha.....	9.43	116.84	34.86	15.01	4.96	11.66	67.53
Males.....	9.10	134.66	37.27	16.47	4.01	12.03	67.61
Females.....	9.88	99.16	32.52	14.70	5.47	10.81	67.45
Philadelphia.....	21.29	230.32	75.98	30.63	10.88	23.71	89.01
Males.....	22.75	250.17	81.15	32.62	11.34	26.52	94.20
Females.....	19.90	210.07	70.69	28.62	9.47	21.14	85.10
Pittsburg.....	20.13	188.43	73.74	31.35	9.78	21.90	87.59
Males.....	21.59	203.07	78.01	32.80	11.21	26.34	93.57
Females.....	18.55	172.68	69.22	29.81	8.15	17.06	82.55
Providence.....	21.12	219.04	75.90	29.74	10.37	23.62	97.77
Males.....	22.24	234.25	82.31	31.36	11.62	24.76	101.21
Females.....	20.08	203.87	69.47	28.10	9.22	22.00	95.28
Rochester.....	17.32	189.06	55.80	22.09	8.20	20.06	85.68
Males.....	18.32	208.19	60.15	23.62	9.16	23.41	90.95
Females.....	15.93	171.35	51.41	20.26	7.49	18.84	81.40
St. Louis.....	17.38	189.81	56.80	23.21	9.17	24.20	78.20
Males.....	19.24	212.50	61.40	25.81	10.17	28.58	86.29
Females.....	15.48	166.35	52.18	21.11	8.15	19.47	71.25
White.....	16.50	179.78	53.27	21.86	8.47	23.85	76.40
Males.....	18.36	204.47	58.13	24.04	9.89	27.96	82.92
Females.....	14.60	154.24	48.20	19.67	7.53	18.33	70.54
Colored.....	31.11	378.28	129.89	48.16	19.10	39.51	114.86
Males.....	33.37	365.67	129.92	49.46	21.71	40.50	170.51
Females.....	28.95	390.98	129.85	48.02	16.62	38.56	82.87
St. Paul.....	14.88	161.70	56.40	26.97	6.68	15.56	57.95
Males.....	15.25	173.91	61.14	28.48	6.45	16.91	68.94
Females.....	14.47	144.91	51.63	25.45	6.90	13.97	47.52
San Francisco.....	22.46	253.06	74.12	27.40	13.67	34.51	103.57
Males.....	25.19	261.17	76.50	28.49	16.15	40.85	112.15
Females.....	18.86	244.45	71.66	26.29	10.17	25.30	91.90
Washington.....	23.65	309.38	97.77	35.61	12.02	26.03	88.24
Males.....	26.21	337.41	103.61	37.48	13.13	30.59	98.56
Females.....	21.33	281.98	91.92	33.76	11.09	21.26	79.74
White.....	18.57	208.71	65.04	23.90	9.35	23.28	79.37
Males.....	21.02	234.89	69.17	25.52	10.49	27.80	89.13
Females.....	16.23	182.82	60.77	22.26	8.33	18.35	70.41
Colored.....	34.08	494.60	159.93	57.00	17.23	32.63	114.72
Males.....	37.84	529.26	171.96	60.10	18.94	38.83	134.66
Females.....	30.96	461.44	148.57	54.08	15.99	28.72	102.89

VITAL AND SOCIAL STATISTICS.

The following table shows for the 28 cities the aggregate death rates per 1,000 of total population during the census year, the proportion of population in each of 3 age groups per 1,000 of all ages, and the death rates per 1,000 of population of corresponding ages, stillbirths excluded, the cities being arranged in the order of magnitude of total death rates:

CITIES.	Death rate per 1,000 of total population.	PROPORTION IN EACH AGE GROUP PER 1,000 OF ALL AGES.			DEATH RATES PER 1,000 POPULATION OF CORRESPONDING AGES.		
		Under 5 years.	15 to 45 years.	45 years and over.	Under 5 years.	15 to 45 years.	45 years and over.
Newark	27.40	110.06	511.95	173.31	104.77	12.93	42.71
New York	26.45	108.68	551.49	158.81	96.79	13.50	47.24
Jersey city	25.63	113.56	524.55	158.09	94.17	13.30	39.66
Brooklyn	23.89	112.62	522.55	169.11	85.53	11.33	41.48
New Orleans (white)	23.57	107.87	492.37	181.09	70.19	12.94	47.67
Boston	23.44	89.19	554.02	189.46	87.17	12.16	40.04
Denver	23.00	89.57	628.59	122.17	89.66	13.86	32.37
San Francisco	22.46	76.84	578.79	121.28	74.12	13.67	43.93
Philadelphia	21.29	99.15	533.68	185.47	75.98	10.38	37.42
Providence	21.12	86.34	537.04	202.56	75.90	10.37	38.89
Baltimore (white)	21.05	108.10	501.75	185.36	80.27	9.01	37.59
Cincinnati	21.00	105.54	521.29	170.08	76.40	10.27	36.58
Cleveland	20.21	118.85	513.96	153.86	79.32	8.56	32.08
Pittsburg	20.13	120.38	629.38	137.43	73.74	9.78	33.27
Chicago	19.05	123.00	540.88	133.18	69.92	8.88	30.94
Milwaukee	18.78	137.52	486.12	143.65	65.65	7.79	33.37
Detroit	18.70	124.88	509.57	157.02	70.32	8.04	29.17
Washington (white)	18.67	85.98	508.80	215.38	65.04	9.35	34.10
Buffalo	18.38	123.72	512.94	148.55	63.27	8.11	35.55
Allegheny	18.17	113.49	525.86	152.16	60.51	8.72	34.21
Louisville (white)	18.16	99.45	522.97	172.03	60.43	9.66	34.71
Indianapolis	17.32	89.65	539.54	174.00	61.79	10.13	27.91
Rochester	17.32	105.48	521.01	172.30	55.80	8.20	35.89
Kansas city	17.80	95.40	597.60	129.70	78.43	8.88	25.04
St. Louis (white)	16.50	113.06	521.33	157.84	53.27	8.47	32.40
St. Paul	14.88	128.49	570.44	117.37	56.40	6.66	23.91
Minneapolis	13.54	117.74	589.32	121.44	49.18	7.06	21.39
Omaha	9.43	115.79	602.89	87.52	34.86	4.96	17.90

The following diagram shows for the 28 cities the proportion of the population under 5 years of age in 10,000 of all ages, and the death rates per 10,000 of population in this age group, with distinction of sex:

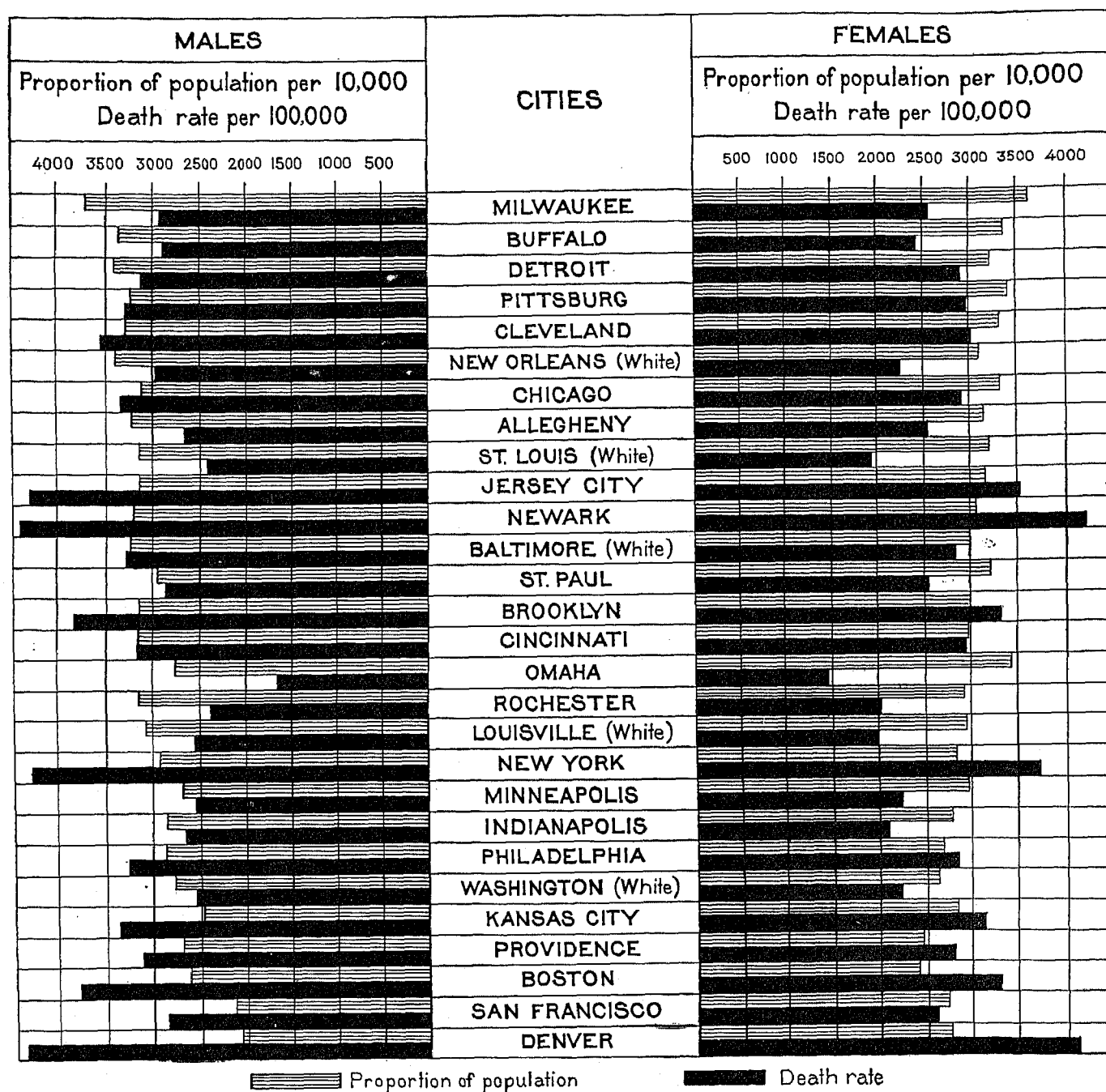


Proportion of population

Death-rate

VITAL AND SOCIAL STATISTICS.

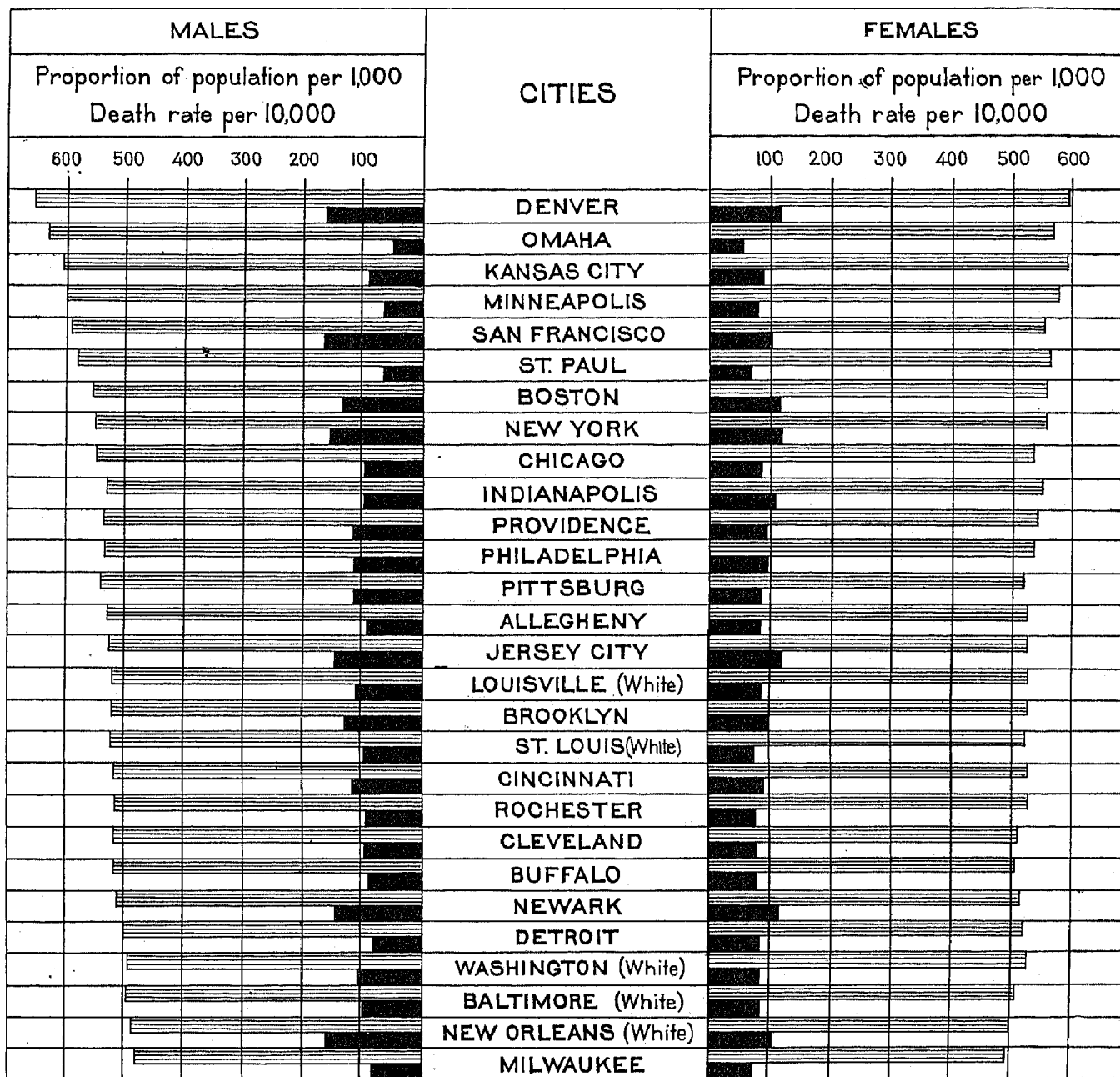
The following diagram shows for the 28 cities the proportion of the population under 15 years of age in 10,000 of all ages, and the death rates per 100,000 of population in this age group, with distinction of sex:



CITIES OF 100,000 INHABITANTS AND UPWARD.

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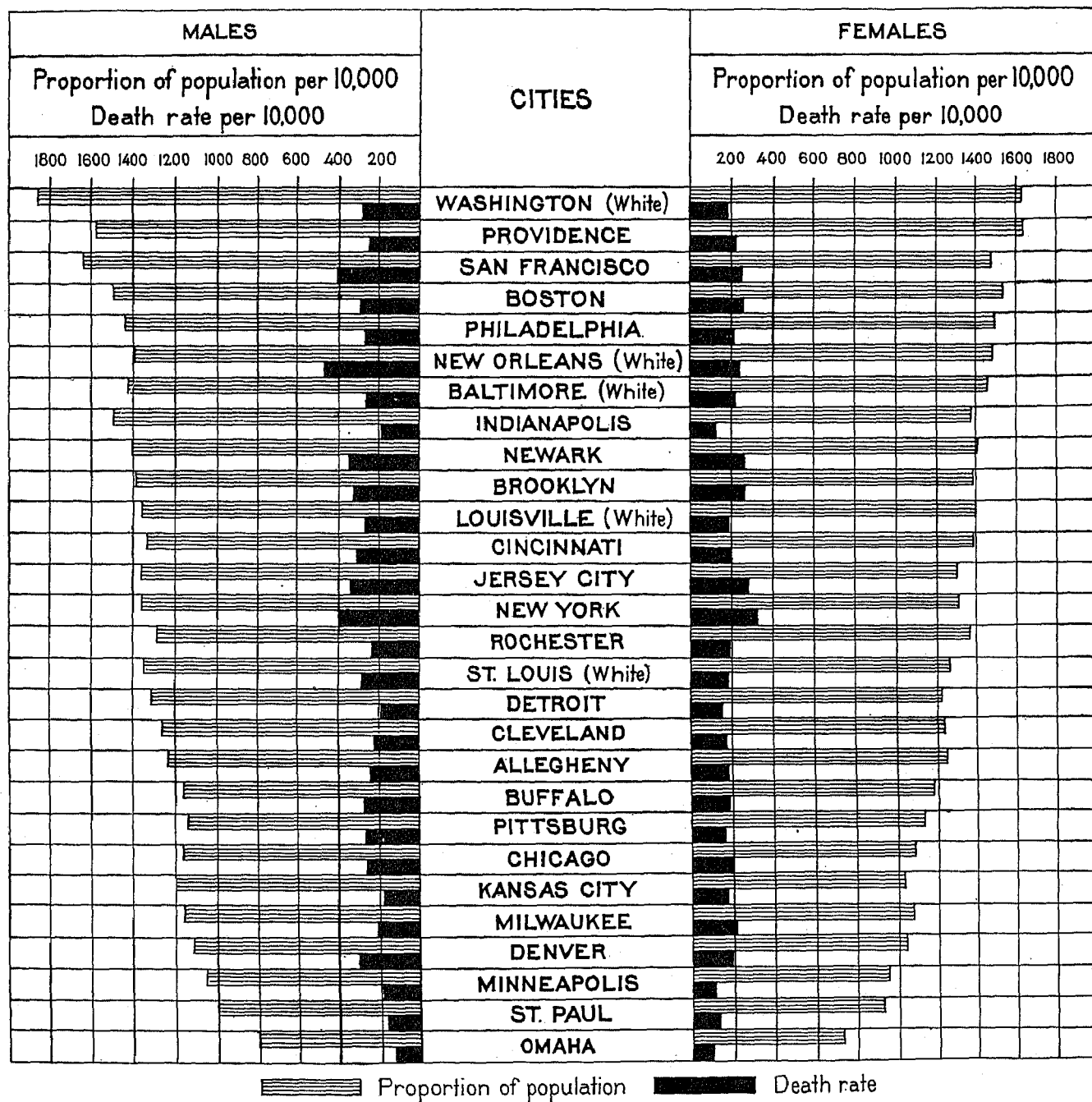
The following diagram shows for the 28 cities the proportion of the population between 15 and 45 years of age in 1,000 of all ages, and the death rates per 10,000 of population in this age group, with distinction of sex:



Proportion of population Death rate

VITAL AND SOCIAL STATISTICS.

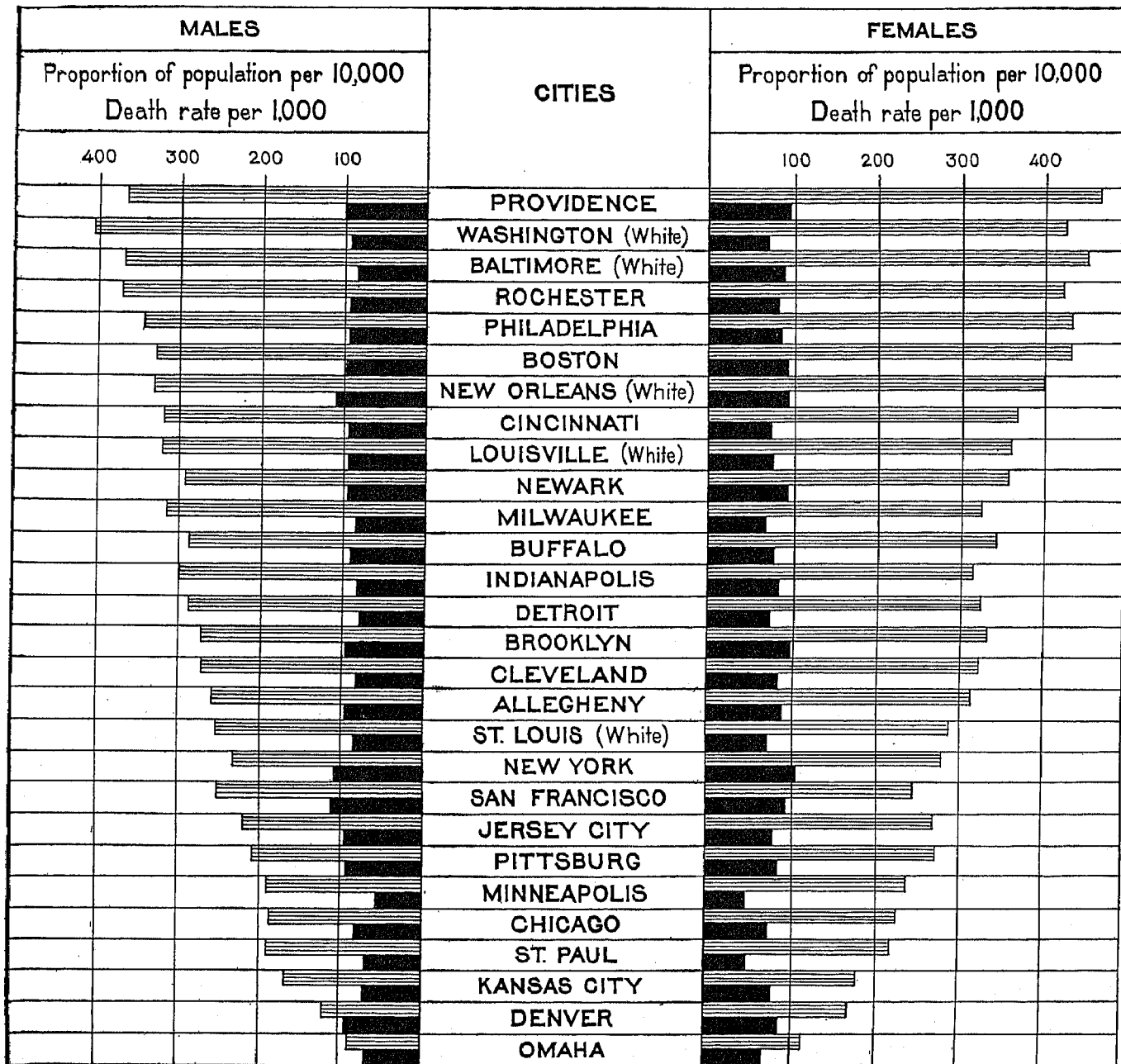
The following diagram shows for the 28 cities the proportion of the population between 45 and 65 years of age in 10,000 of all ages, and the death rates per 10,000 of population in this age group, with distinction of sex:



CITIES OF 100,000 INHABITANTS AND UPWARD.

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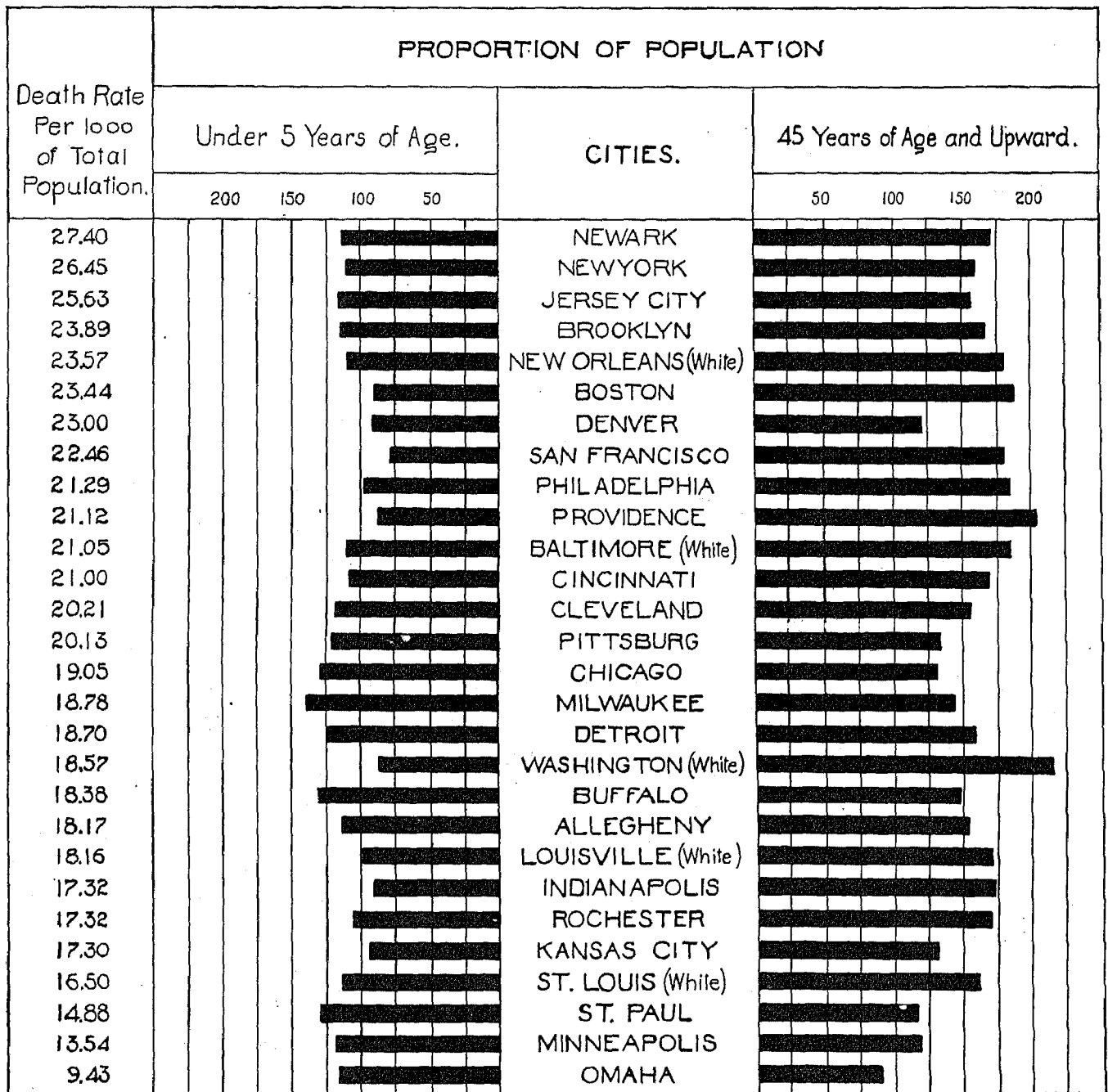
The following diagram shows for the 28 cities the proportion of the population 65 years of age and over in 10,000 of all ages, and the death rates per 1,000 of population in this age group, with distinction of sex:



Proportion of population Death rate

VITAL AND SOCIAL STATISTICS.

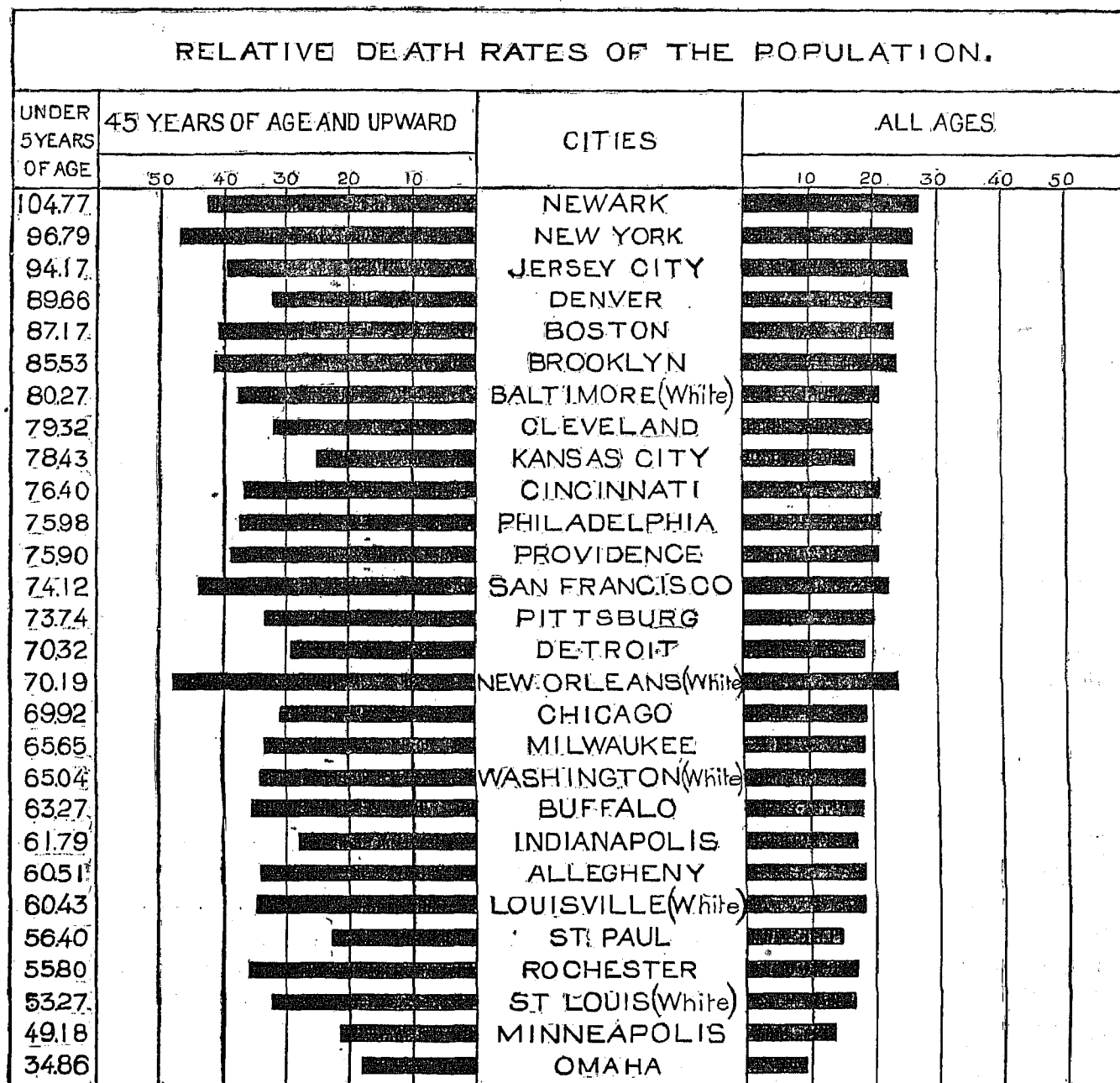
The following diagram shows for the 28 cities, arranged in the order of magnitude of the death rates of their total population, the proportion of population under 5 years of age and 45 years of age and upward per 1,000 of total population:



It will be seen from the preceding table and the diagrams, that the influence of the proportions of children under 5 years and of persons 45 years of age and over in the population upon the general death rate, great as it is, must be of secondary importance as compared with other circumstances in affecting the magnitude of the general death rate in the majority of these cities. For example, in each 1,000 of the total population there were of children under 5 years of age, in Milwaukee, 137.52, with a general death rate of 18.78, and in Buffalo, 128.72, with a general death rate of 18.38, while in San Francisco the proportion of children under 5 years of age per 1,000 of the total population was only 76.84, with a general death rate of 22.46, and in Providence, where the proportion of children under 5 years of age was 86.34, the general death rate was 21.12.

As a rule, the proportion of population 45 years of age and over appears to have more definite relations to the gross death rate than that of the proportion under 5 years of age.

The following diagram shows for the 28 cities, arranged in the order of magnitude of the death rates of the population under 5 years of age, the death rates of the population 45 years of age and upward and the gross death rates:



This diagram shows a general correspondence between the gross death rate and the death rate of the children under 5 years of age, indicating the influence which the latter has upon the former. For the most part the heavy death rate for the children under 5 is accompanied by a heavy death rate in the population 45 and over, and vice versa; a number of exceptions will be seen in the diagram, the most marked being in the case of New Orleans.

It has been proposed to correct the gross death rates of cities, so as to make these rates more fairly comparable, by reducing the differences in distribution of the several populations according to age groups, to correspond to one uniform standard. This has been done since 1883 in the reports of the registrar general of England for the principal English cities and towns, and recently special attention has been called to it by Joseph Körösi in his report on an International Standard or Mortality Index. (a)

Dr. Ogle calculates for 12 age groups. Körösi recommends using only 4 groups, namely, under 1, 1 to 19, 20 to 49, and 50 and over, the standard distribution of population for this purpose to be taken as that of Sweden in 1880, namely, under 1 (2.65 per cent), 1 to 19 (39.81 per cent), 20 to 49 (38.62 per cent), and 50 and over (18.92 per cent).

At its meeting in Berne, in August, 1895, the International Institute of Statistics passed a resolution in favor of taking as the standard distribution of population that of Sweden, using 5 age groups, namely, under 1 (2.55 per cent), 1 to 19 (39.80 per cent), 20 to 39 (26.96 per cent), 40 to 59 (19.23 per cent), and 60 and over (11.46 per cent).

The following table shows for the census year the gross death rates for the 28 cities and the death rates corrected according to the method proposed by the International Institute of Statistics, the cities being arranged in the order of magnitude of the gross death rates:

CITIES.	Gross death rates.	Corrected death rates.	CITIES.	Gross death rates.	Corrected death rates.
Newark	29.04	33.58	Pittsburg.....	21.82	25.93
New York.....	28.03	33.01	Louisville.....	21.81	26.35
New Orleans.....	28.40	34.01	Chicago.....	21.06	24.73
Jersey city.....	27.51	31.83	Detroit.....	20.42	23.44
Washington.....	25.85	31.10	Allegheny.....	20.15	24.45
Brooklyn.....	25.54	30.02	Buffalo.....	19.90	23.40
Boston.....	24.79	29.80	Milwaukee.....	19.28	21.94
Baltimore.....	24.75	29.15	Kansas city.....	19.24	24.41
Denver.....	24.21	31.03	St. Louis.....	19.14	23.17
San Francisco.....	23.01	29.85	Indianapolis.....	18.85	23.71
Philadelphia.....	22.07	26.68	Rochester.....	17.35	21.15
Cincinnati.....	22.36	26.34	St. Paul.....	16.82	19.27
Providence.....	22.36	27.03	Minneapolis.....	14.81	17.05
Cleveland.....	21.95	25.82	Omaha.....	9.95	14.06

It will be seen that while the difference between the corrected and the gross death rates averages about 4.00 per 1,000, and ranges from 0.98 per 1,000 in Cincinnati to 6.82 per 1,000 in Denver, the order of the several cities according to magnitude of death rates would be nearly the same whether the gross or the corrected death rates be used.

In the large cities of the United States a correction of gross death rates for peculiarities of race distribution of the population of each city would be much more important than the above correction for age distribution, but it seems hardly worth while to try to indicate the relative healthfulness of different cities by rates for the total population only, and the phrase "corrected rates" must always be more or less misleading.

The number of deaths of children under 1 year of age per 1,000 births is an important ratio in comparing the healthfulness of different groups of population. Unfortunately, this ratio can not be given with accuracy for cities of the United States, because none of them have a complete and accurate registration of births. The best means at our command for estimating the annual number of births in a given city is by adding to the number of children under 1 year of age found living on the day of the census the number of children reported as "born and died" during the preceding or census year.

The number thus obtained is too small, because of omissions in the enumeration of children and in the registration of deaths, also because a considerable number of infants between 10 and 12 months of age are reported as 1 year old, but the numbers thus obtained for different cities are comparable with each other if it be assumed that the relative deficiency is the same in each, although they are not comparable with those of European cities, which have a fairly complete registration of births.

CITIES OF 100,000 INHABITANTS AND UPWARD.

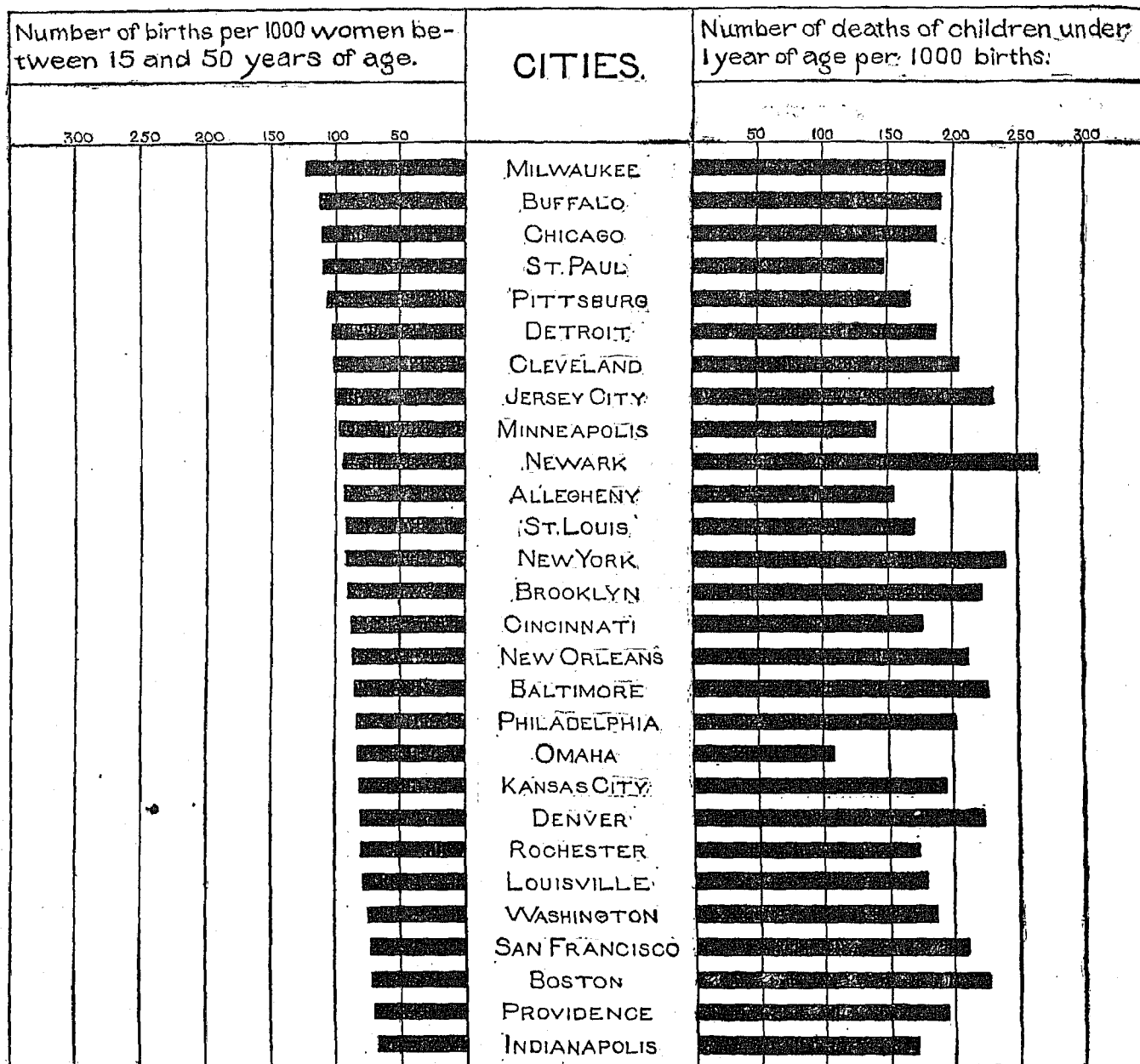
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The following table shows for the 28 cities and for their aggregate the number of children under 1 year of age reported as living June 1, 1890, the number reported as "born and died during the census year", the number of births during the census year as obtained from these data, the birth rate per 1,000 of population, and the birth rate per 1,000 women from 15 to 50 years of age, the cities being arranged in order of magnitude of population:

CITIES.	Popula- tion under 1 year of age.	Born and died during the census year.	BIRTHS.		
			Total.	Per 1,000 of total population.	Per 1,000 women 15 to 50 years of age.
Total	227,391	33,023	200,414	20.85	92.56
New York.....	37,076	5,927	43,003	28.38	98.18
Chicago.....	30,104	4,012	34,116	31.02	111.93
Philadelphia.....	29,077	3,204	26,281	25.10	84.09
Brooklyn.....	19,163	2,663	21,826	27.07	92.31
St. Louis (total).....	10,574	1,336	11,910	26.36	93.68
(white).....	10,040	1,196	11,236	26.46	94.81
Boston.....	8,797	1,372	10,169	22.67	72.44
Baltimore (total).....	9,507	1,609	11,266	25.93	87.12
(white).....	8,187	1,206	9,893	25.58	89.13
San Francisco.....	4,738	928	5,666	18.95	72.73
Cincinnati.....	6,711	885	7,596	25.58	87.83
Cleveland.....	6,418	1,038	7,456	28.53	104.41
Buffalo.....	6,882	998	7,880	30.82	113.74
New Orleans (total).....	5,132	1,037	6,169	25.49	87.44
(white).....	3,342	716	4,558	25.70	99.20
Pittsburg.....	6,156	750	6,906	28.94	108.59
Washington (total).....	4,467	847	5,314	23.07	74.48
(white).....	2,804	351	3,245	20.98	70.56
Detroit.....	5,443	720	6,163	20.64	104.74
Milwaukee.....	5,804	882	6,776	33.14	123.01
Newark.....	4,131	824	4,955	27.25	95.01
Minneapolis.....	4,207	412	4,619	28.04	98.00
Jersey city.....	3,973	717	4,690	23.77	101.57
Louisville (total).....	3,413	426	3,844	23.86	80.41
(white).....	2,905	324	3,229	24.38	83.99
Omaha.....	3,833	195	3,928	21.56	83.66
Rochester.....	2,900	295	3,195	23.80	80.65
St. Paul.....	3,859	330	4,189	31.46	111.40
Kansas city.....	2,842	308	3,240	24.41	83.35
Providence.....	2,479	331	2,810	21.26	68.98
Denver.....	2,682	316	2,998	22.47	81.50
Indianapolis.....	1,915	227	2,142	20.32	67.51
Allegheny.....	2,553	254	2,807	20.00	93.78

VITAL AND SOCIAL STATISTICS.

The birth rates per 1,000 women between 15 and 50 years of age, and the number of deaths of children under 1 year of age per 1,000 births during the year, are shown graphically by the following diagram:



It will be seen from the preceding table and the diagram, that the birth rates per 1,000 women from 15 to 50 years of age during the census year varied greatly in the different cities, ranging from 123.91 in Milwaukee, 113.74 in Buffalo, 111.93 in Chicago, 111.40 in St. Paul, and 108.59 in Pittsburg to 67.51 in Indianapolis, 68.98 in Providence, 72.44 in Boston, 72.73 in San Francisco, and 74.48 in Washington, the average for the 28 cities being 92.56. All of these birth rates are probably 15 per cent below the true figures, which only complete registration could furnish.

The average number of deaths of children under 1 year of age per 1,000 of the children born within the year for the 28 cities was 206.78, ranging from 264.58 in Newark, 240.84 in New York, 231.98 in Jersey city, 226.08 in Boston, 225.70 in Baltimore (white), and 223.77 in Brooklyn to 109.31 in Omaha, 138.34 in Minneapolis, 148.96 in St. Paul, 156.04 in Allegheny, and 167.97 in Pittsburg.

In the 28 largest cities of the German empire the death rates of the children under 1 year of age per 1,000 births in 1890 ranged from 340 in Chemnitz, 306 in Stettin, 303 in Königsberg, 295 in Dantzic, 276 in Breslau, 259 in Strasburg, and 255 in Berlin to 156 in Elberfeld, 160 in Frankfort on the Main, 180 in Barmen, 186 in Hanover, 189 in Dortmund, 194 in Bremen, 199 in Altona, 210 in Dresden, 213 in Dusseldorf, 215 in Brunswick, and 216 in Hamburg and in Halle.

In the 28 largest English cities the death rate of children under 1 year of age per 1,000 births in 1890 was 172, being 241 in Preston, 199 in Salford, 195 in Liverpool, 195 in Leicester, 195 in Sheffield, 187 in Manchester, 183 in Birmingham, 180 in Norwich, 172 in Leeds, 169 in Newcastle, 169 in Bradford, 164 in Brighton, 163 in London, 161 in Plymouth, 159 in Nottingham, 151 in Bristol, and 135 in Portsmouth.

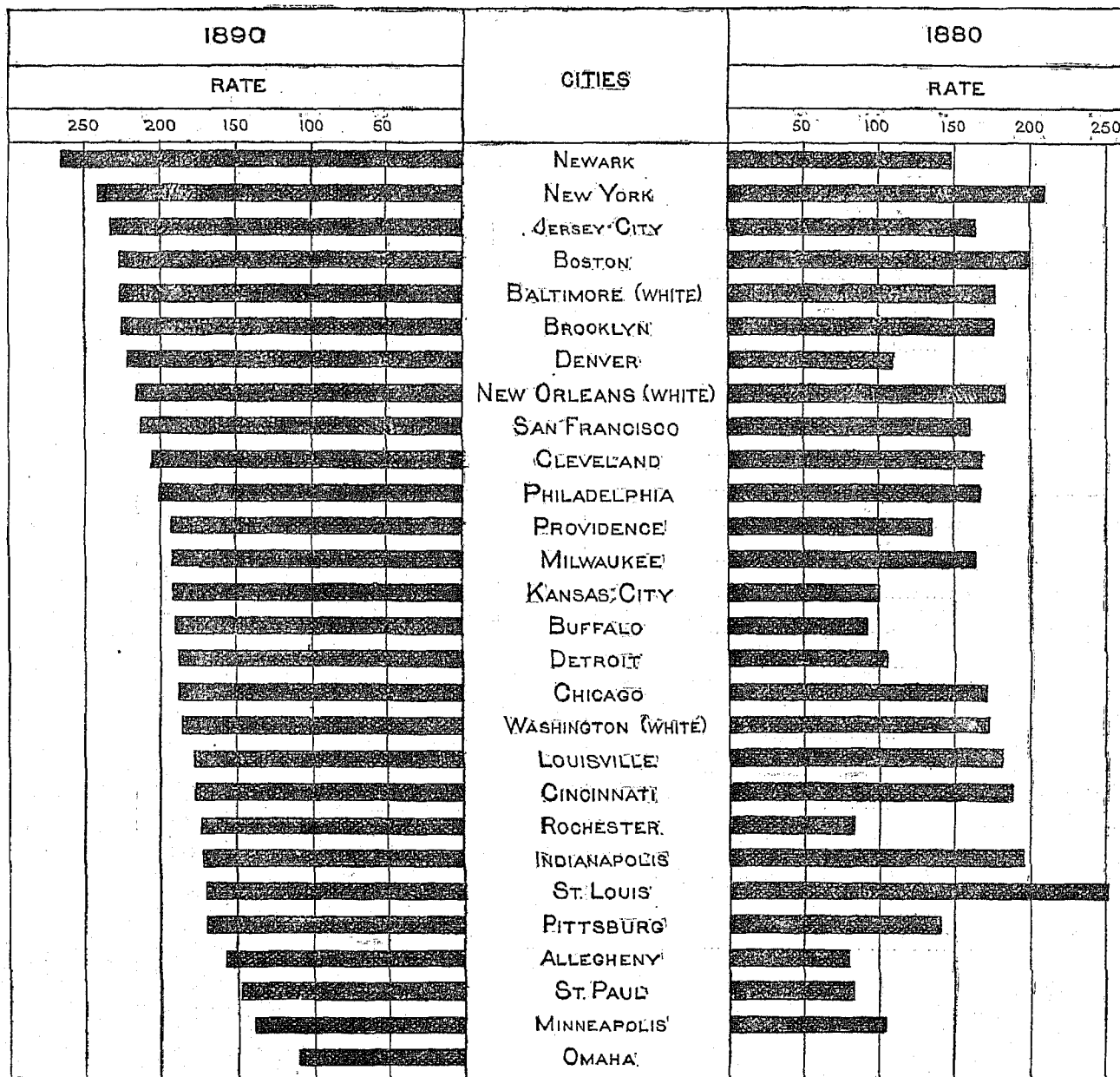
The infantile death rate was less in the largest cities of the United States than in those of Germany, and greater than in those of England.

The following table shows for the 28 cities the proportion of children under 1 year of age and under 5 years of age in 100,000 persons of all ages, the death rates of children under 1 year of age per 1,000 of population of that age group, per 1,000 of deaths at all ages, and of those born within the year per 1,000 born alive, in 1880 and 1890:

CITIES.		PROPORTION OF CHILDREN AT EACH AGE PER 100,000 PERSONS OF ALL AGES.		PROPORTION OF DEATHS OF CHILDREN UNDER 1 YEAR OF AGE PER 1,000—		Proportion of deaths of those born within the year per 1,000 born alive.
		Under 1 year.	Under 5 years.	Of population under 1 year of age.	Of deaths at all ages.	
Total	1880..	2,510	11,855	199.37	253.20	112.80
	1890..	2,351	10,953	232.53	256.00	124.43
Allegheony	1880..	2,853	13,373	84.63	219.40	47.92
	1890..	2,425	11,349	171.50	228.00	90.40
Baltimore (white)	1880..	2,545	11,061	208.80	251.44	102.97
	1890..	2,230	10,810	258.00	274.90	128.39
Boston	1880..	2,220	10,235	225.05	238.18	112.19
	1890..	1,002	8,919	261.34	218.08	134.92
Brooklyn	1880..	2,614	12,300	196.50	248.20	98.09
	1890..	2,377	11,202	254.87	253.58	122.01
Buffalo	1880..	2,894	13,205	100.22	223.88	61.85
	1890..	2,092	12,872	217.67	318.70	126.65
Chicago	1880..	2,894	13,558	192.53	288.30	100.07
	1890..	2,737	12,800	212.06	305.48	117.00
Cincinnati	1880..	2,706	12,211	207.01	279.48	93.02
	1890..	2,200	10,554	190.23	214.47	116.51
Cleveland	1880..	2,706	13,788	186.06	277.11	90.96
	1890..	2,450	11,885	239.33	290.80	130.22
Denver	1880..	2,052	9,414	116.28	186.00	60.41
	1890..	1,051	8,057	255.52	216.79	131.78
Detroit	1880..	2,619	12,683	112.57	218.47	60.33
	1890..	2,644	12,488	213.30	391.04	116.83
Indianapolis	1880..	2,360	11,426	225.86	255.20	131.44
	1890..	1,816	8,065	190.08	199.34	105.08
Jersey city	1880..	2,581	12,848	188.70	240.49	119.28
	1890..	2,487	11,356	273.85	260.41	152.88
Kansas city	1880..	1,000	10,424	108.02	187.10	73.11
	1890..	2,141	9,540	210.02	272.21	122.84
Louisville	1880..	2,400	11,432	212.34	242.44	139.03
	1890..	2,121	9,538	198.30	209.45	110.82
Milwaukee	1880..	3,232	14,050	196.56	322.54	114.27
	1890..	2,883	13,752	221.02	340.71	130.17
Minneapolis	1880..	2,640	12,159	109.85	247.72	51.84
	1890..	2,554	11,774	151.80	286.42	89.20
Newark	1880..	2,074	12,538	161.06	230.15	99.83
	1890..	2,272	11,066	317.30	203.09	160.30
New Orleans (white)	1880..	2,370	11,554	213.43	232.11	140.01
	1890..	2,106	10,787	254.55	233.07	157.09
New York	1880..	2,585	11,038	245.33	270.02	139.45
	1890..	2,447	10,868	279.85	258.43	137.83
Omaha	1880..					
	1890..	2,017	11,579	116.84	240.81	64.40
Philadelphia	1880..	2,330	10,806	159.80	227.09	110.83
	1890..	2,204	9,015	230.13	238.44	121.01
Pittsburg	1880..	3,220	14,216	160.69	245.82	114.40
	1890..	2,580	12,038	188.43	241.47	108.00
Providence	1880..	2,238	10,325	148.27	162.46	84.90
	1890..	1,876	8,634	210.04	194.55	117.70
Rochester	1880..	2,351	11,315	88.05	155.20	53.18
	1890..	2,160	10,548	189.00	237.17	92.33
St. Louis	1880..	1,901	11,337	303.77	311.29	169.41
	1890..	2,841	11,155	189.81	255.04	112.17
St. Paul	1880..	2,052	12,304	87.27	270.07	50.09
	1890..	2,898	12,849	161.70	314.90	78.78
San Francisco	1880..	2,083	10,209	184.04	199.24	121.17
	1890..	1,585	7,084	253.06	178.56	163.78
Washington (white)	1880..	2,389	10,979	194.75	202.08	110.16
	1890..	1,871	8,598	207.88	210.58	108.17

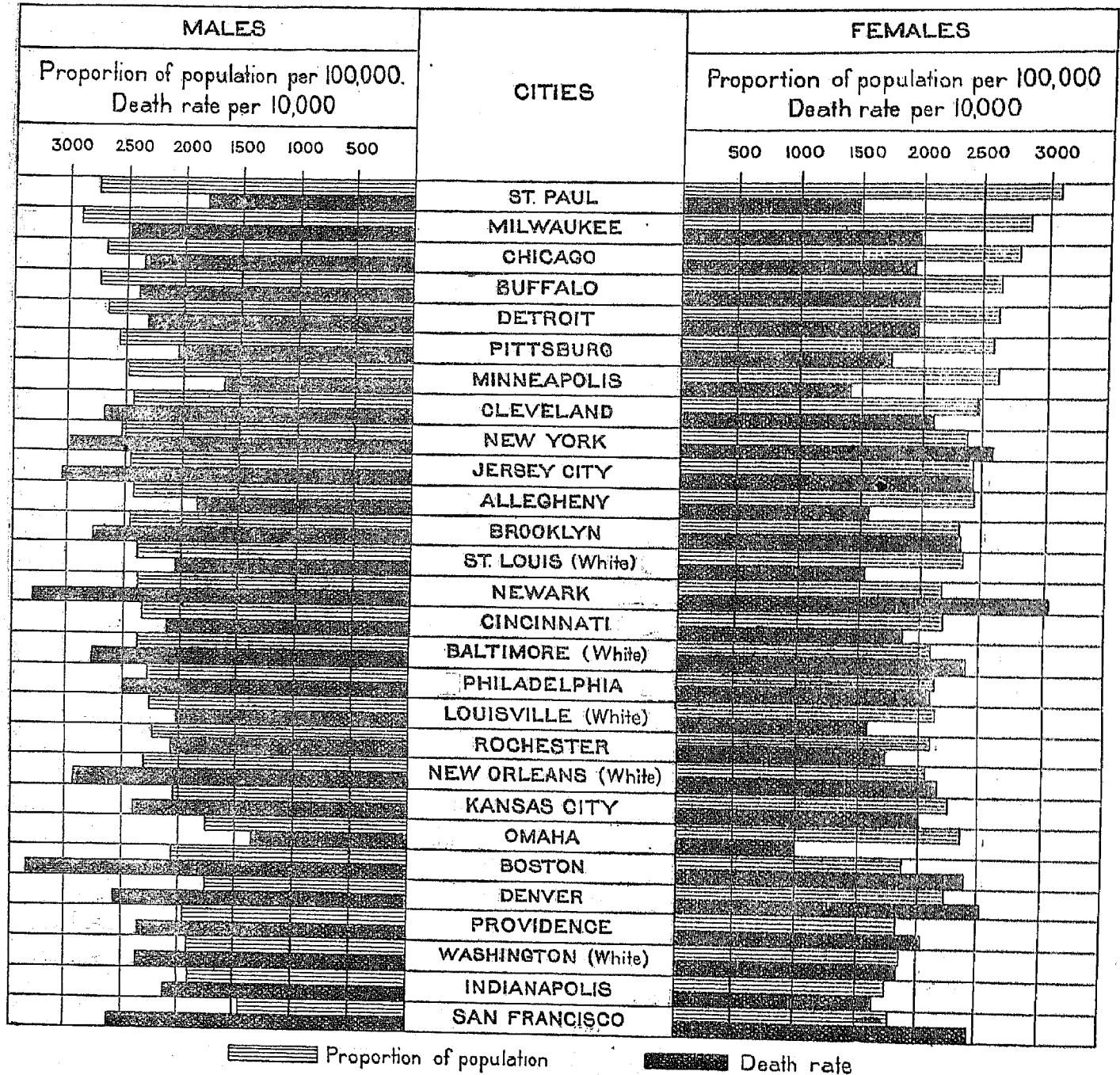
It will be seen from the table on the preceding page that the proportion of children under 1 year was less in 1890 than in 1880 in all the cities except St. Louis, Detroit, St. Paul, and Kansas city; that the rate of children under 1 year of age per 1,000 of the population of that age group and per 1,000 of the children born within the year was greater in all the cities in 1890 than in 1880 except New York, St. Louis, Pitt Washington (white), Louisville, Cincinnati, and Indianapolis. This general decrease in the proportion infantile population is due, in part at least, to a diminished birth rate and an increased infantile death during the year ending May 31, 1890, as compared with the year ending May 31, 1880.

The following diagram shows for the 28 cities the proportion of deaths of children under 1 year of age per births in 1880 and in 1890:

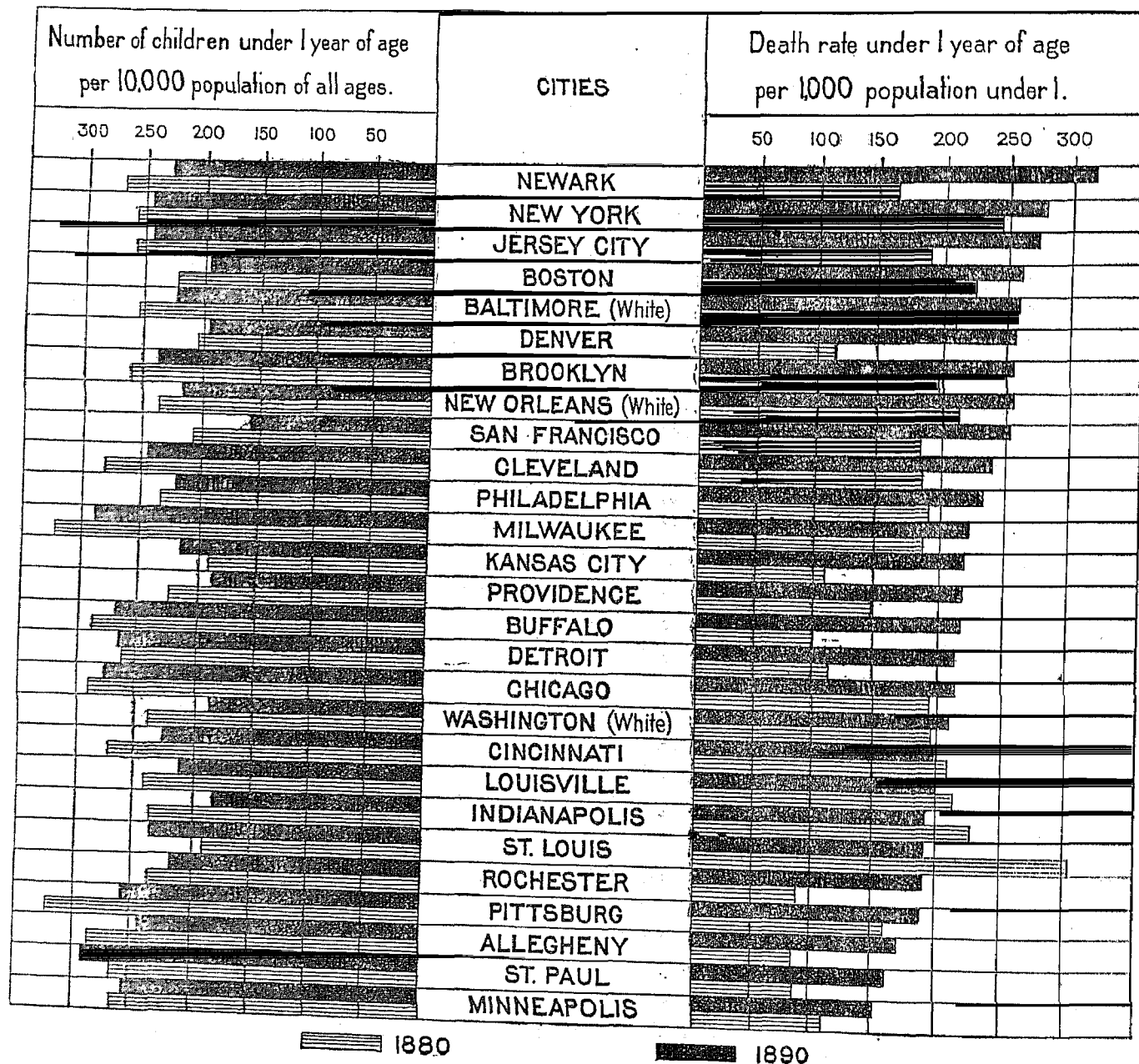


All of the rates of infantile mortality shown by this diagram and in the table from which they are taken are too high, because the number of births used as a factor in calculating these rates for each city is too low.

The following diagram shows for the 28 cities the proportion of children under 1 year of age per 100,000 of the total population of known ages, and the death rates of children under 1 year of age per 10,000 of the children of that age group, with distinction of sex:



The following diagram shows for 27 cities the proportion of children under 1 year of age per 10,000 of population of all ages on June 1, 1890, and on June 1, 1880, and the death rates under 1 year of age per 1,000 of the population under 1 year of age for the years ending May 31, 1880, and May 31, 1890:



CITIES OF 100,000 INHABITANTS AND UPWARD.

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The following table shows for the 28 cities and for their aggregate the proportion of deaths under 1 year of age reported as due to certain infantile diseases per 1,000 deaths from all causes, during the census years ending May 31, 1890, and 1880, respectively, stillbirths excluded:

CITIES.	All infantile diseases.	PROPORTION OF DEATHS FROM EACH CAUSE PER 1,000 DEATHS FROM ALL CAUSES.									
		Measles.	Diar- rheal dis- eases.	Cholera infantum.	Inani- tion.	Whoop- ing cough.	Prema- ture births.	Malfor- mation.	Debility and atrophy.	Anæmia.	Hydro- cephalus.
Total.....	1890.. 1880..	2.25 2.24	32.50 24.81	32.04 37.01	16.31 13.00	4.30 5.41	14.57 16.56	2.14 1.48	30.93 24.87	0.30 0.49	4.12 5.01
Allegheny.....	1890.. 1880..	3.06 2.31	20.39 23.00	37.04 32.33	13.50 3.40	3.14 2.31	3.14 3.46	0.52 -----	10.73 5.77	----- -----	3.66 6.93
Baltimore.....	1890.. 1880..	0.74 0.05	35.20 16.60	48.67 50.07	24.24 24.77	2.51 5.32	21.62 18.68	2.51 0.01	31.78 25.16	0.70 0.13	3.62 5.19
Boston.....	1890.. 1880..	0.57 -----	24.33 24.83	35.33 40.73	9.51 12.35	5.14 8.80	16.84 15.50	2.19 3.15	35.19 24.04	----- 1.05	0.37 8.28
Brooklyn.....	1890.. 1880..	0.83 3.07	30.32 22.94	37.54 45.04	7.32 9.72	4.05 7.70	12.10 17.66	3.12 2.47	41.23 26.80	0.21 -----	4.10 8.02
Buffalo.....	1890.. 1880..	1.06 8.46	30.43 17.01	52.78 31.34	23.20 1.49	10.85 3.48	29.16 2.49	2.77 1.00	30.43 35.32	0.43 0.50	2.98 2.49
Chicago.....	1890.. 1880..	0.86 5.24	50.72 38.77	42.04 41.75	25.90 21.70	3.72 2.67	5.06 10.28	2.58 1.23	15.56 11.21	0.57 0.10	3.15 4.83
Cincinnati.....	1890.. 1880..	2.73 1.56	22.78 35.53	13.15 31.89	17.81 10.70	4.81 8.61	20.85 22.30	3.37 0.78	14.02 12.01	0.64 -----	3.85 8.13
Cleveland.....	1890.. 1880..	5.11 2.00	29.53 19.29	30.85 40.23	15.52 8.98	6.63 6.09	7.57 19.29	0.76 2.00	42.79 17.30	0.38 0.33	1.14 2.60
Denver.....	1890.. 1880..	4.48 8.75	29.34 13.13	31.78 43.70	10.50 -----	3.07 8.75	13.04 2.19	2.04 2.10	30.50 10.94	----- -----	2.44 8.75
Detroit.....	1890.. 1880..	1.56 8.02	20.36 30.57	59.76 19.75	10.13 3.82	3.60 3.82	15.07 6.37	2.86 0.64	37.93 15.29	0.78 -----	4.94 5.73
Indianapolis.....	1890.. 1880..	----- 1.28	13.07 20.10	24.10 35.74	26.83 34.46	2.19 3.19	0.86 22.34	3.29 2.55	0.80 8.03	0.55 0.64	2.19 3.19
Jersey city.....	1890.. 1880..	0.96 3.27	28.48 15.13	24.65 29.04	11.01 6.95	6.22 2.04	20.34 6.54	4.55 6.54	31.59 39.26	0.24 -----	4.31 8.59
Kansas city.....	1890.. 1880..	4.36 8.06	21.78 16.13	27.00 24.19	21.34 3.23	9.15 8.06	20.47 12.90	1.74 -----	13.07 3.23	----- -----	1.74 3.23
Louisville.....	1890.. 1880..	2.16 0.38	15.14 13.40	13.28 34.09	58.70 26.04	1.24 8.43	----- 23.36	0.93 1.15	10.81 8.43	0.31 -----	3.71 0.80
Milwaukee.....	1890.. 1880..	1.04 0.46	40.38 39.80	26.05 30.08	11.20 2.78	3.91 2.31	10.93 22.21	1.04 2.31	84.14 52.75	2.60 0.46	2.34 5.24
Minneapolis.....	1890.. 1880..	2.69 1.82	41.24 25.08	36.75 51.00	5.38 10.93	4.03 14.67	25.55 7.29	1.84 -----	32.73 12.75	----- -----	1.34 9.11
Newark.....	1890.. 1880..	4.82 -----	33.11 16.50	30.30 30.09	11.04 11.39	6.82 1.96	18.46 11.79	1.81 1.96	31.31 31.33	0.20 -----	0.22 3.03
New Orleans.....	1890.. 1880..	0.79 2.22	27.06 21.82	27.06 13.81	9.13 3.70	0.63 7.95	10.86 16.27	0.31 1.11	43.90 42.89	1.10 2.03	1.42 2.59
New York.....	1890.. 1880..	3.17 2.12	46.31 33.96	32.81 35.83	5.46 6.92	6.34 4.17	20.91 23.75	1.90 0.67	26.10 18.46	0.25 1.20	0.80 7.66
Omaha.....	1890.. 1880..	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----
Philadelphia.....	1890.. 1880..	1.53 2.07	15.12 10.56	28.44 41.21	24.54 17.03	2.83 3.89	7.54 10.21	1.53 1.15	43.87 40.12	0.00 0.18	2.38 4.74
Pittsburg.....	1890.. 1880..	4.37 3.65	30.90 21.57	24.35 36.77	12.70 13.98	2.08 11.55	10.98 14.28	4.58 3.34	15.20 11.24	0.21 -----	5.41 2.13
Providence.....	1890.. 1880..	5.37 -----	14.69 11.20	30.81 25.08	6.81 0.47	7.88 2.80	13.97 7.47	3.58 1.40	14.69 18.21	0.72 -----	3.94 4.67
Rochester.....	1890.. 1880..	2.59 0.84	20.27 13.42	58.05 15.94	6.90 5.87	2.16 8.86	15.96 7.55	2.16 0.84	25.01 15.94	0.43 -----	3.02 3.36
St. Louis.....	1890.. 1880..	----- 2.31	23.69 23.07	13.63 36.70	21.65 16.92	1.66 4.00	13.50 19.22	2.17 2.00	43.66 43.83	0.04 0.15	4.08 6.00
St. Paul.....	1890.. 1880..	4.04 11.03	48.46 23.28	50.98 40.70	37.35 20.36	2.02 14.53	2.02 2.91	1.01 2.91	29.78 -----	----- -----	5.55 5.81
San Francisco.....	1890.. 1880..	2.08 0.23	17.72 14.44	9.23 15.10	40.80 45.09	2.38 2.89	8.94 13.11	0.60 0.44	8.04 18.88	0.89 0.07	1.84 2.22
Washington.....	1890.. 1880..	0.55 0.48	33.58 38.41	33.95 44.61	17.07 22.42	2.75 11.21	18.72 19.56	1.47 1.19	34.18 27.43	----- -----	3.67 3.34

VITAL AND SOCIAL STATISTICS.

PROPORTION OF DEATHS FROM EACH CAUSE PER 1,000 DEATHS FROM ALL CAUSES—Continued.

CITIES.	PROPORTION OF DEATHS FROM EACH CAUSE PER 1,000 DEATHS FROM ALL CAUSES—continued.										
	Scrofula and tabes.	Menin- gitis and diseases of the brain.	Trismus nas- centium.	Convul- sions.	Croup and angina.	Bronchi- tis.	Pneumo- nia.	Denti- tion.	Other diseases of the digestive system.	Exposure and neg- lect.	Suffoca- tion.
Total.....	1890.. 1.19	14.15	3.24	24.65	1.90	16.93	17.09	2.44	2.81	0.13	1.52
	1880.. 1.88	12.54	3.10	30.25	2.87	11.98	14.43	3.57	2.48	0.27	1.88
Allegheny.....	1890.. 0.52	19.34	1.05	41.82	2.09	12.02	19.34	.....	1.57	.....	1.05
	1880.. ..	27.71	.....	40.42	6.93	12.70	13.86	2.31	2.31	.....	2.31
Baltimore.....	1890.. 1.51	9.96	3.42	25.05	1.51	11.67	18.00	8.05	3.02	1.41	1.51
	1880.. 2.59	9.73	3.89	35.93	1.95	11.28	13.10	9.34	1.69	0.13	1.82
Boston.....	1890.. 1.62	11.22	0.23	8.47	0.57	13.70	13.51	0.76	1.90	.....	2.47
	1880.. 1.58	10.12	0.66	9.20	3.02	19.57	10.95	2.89	1.84	0.39	1.31
Brooklyn.....	1890.. 0.67	20.46	1.56	13.38	1.61	20.51	13.81	4.05	1.71	.....	0.93
	1880.. 3.50	14.16	.....	15.95	2.05	13.42	14.07	6.23	1.28	.....	0.51
Buffalo.....	1890.. 1.49	10.21	0.43	33.02	5.53	16.81	20.22	3.19	1.28	0.21	4.08
	1880.. 1.49	7.46	0.50	41.29	7.96	1.99	15.92	1.00	7.46	0.50	.....
Chicago.....	1890.. 1.15	18.37	1.34	46.76	2.39	27.15	17.42	2.24	5.11	0.05	0.67
	1880.. 1.44	19.23	0.21	48.85	3.70	13.08	13.16	1.75	10.90	0.62	0.51
Cincinnati.....	1890.. 1.12	12.99	2.25	26.63	1.28	15.40	16.04	2.73	2.25	.....	1.76
	1880.. 0.98	20.93	1.59	58.48	0.08	14.47	12.91	3.52	.....	0.20	2.15
Cleveland.....	1890.. 0.95	16.66	0.95	49.41	3.22	14.58	17.80	2.46	15.52	.....	0.33
	1880.. 1.00	11.64	0.07	64.54	3.33	5.08	9.31	2.00	9.98	0.33	2.90
Denver.....	1890.. 0.81	12.63	0.41	12.22	2.04	11.41	12.22	0.41	4.07	0.41	0.41
	1880.. ..	13.13	.....	13.13	2.19	6.56	21.88	2.19	.....	.....	.....
Detroit.....	1890.. 2.08	12.21	2.60	43.01	3.38	12.73	12.21	1.56	12.99	.....	1.04
	1880.. 1.91	9.55	0.64	16.56	7.64	7.64	14.65	4.46	16.56	.....	1.27
Indianapolis.....	1890.. 3.83	14.79	0.55	16.43	1.64	9.31	12.05	0.55	.....	.....	0.55
	1880.. 2.55	21.06	1.28	19.14	3.19	6.38	8.93	.....	5.74	.....	1.28
Jersey city.....	1890.. 0.48	26.33	2.87	23.46	2.39	12.21	21.54	0.72	1.08	.....	1.63
	1880.. 1.23	19.63	0.41	41.31	2.04	13.09	14.72	0.41	2.04	.....	2.04
Kansas city.....	1890.. 0.87	16.11	2.61	15.24	4.36	14.37	23.52	2.18	2.61	0.44	4.79
	1880.. 1.61	12.90	.....	4.84	4.84	8.00	17.74	1.61	1.61	3.23	.....
Louisville.....	1890.. ..	19.46	9.58	16.09	1.54	11.74	18.54	1.54	1.24	.....	1.85
	1880.. 2.03	12.64	7.28	37.53	1.15	3.45	14.55	1.53	0.38	1.53	2.30
Milwaukee.....	1890.. 2.08	10.42	2.34	73.20	2.08	16.41	13.28	1.56	4.17	.....	0.52
	1880.. 4.16	7.40	1.30	90.70	2.78	0.02	13.88	1.39	3.70	.....	.....
Minneapolis.....	1890.. 0.90	14.34	0.90	26.45	1.34	26.00	14.79	.....	0.45	.....	1.79
	1880.. ..	12.75	.....	23.68	7.29	3.64	10.39	9.11	5.40	.....	1.82
Newark.....	1890.. 0.80	11.84	3.61	38.13	1.40	20.07	12.24	.....	2.81	.....	1.40
	1880.. 0.79	12.57	1.90	46.76	1.57	11.79	10.61	.....	.....	.....	3.14
New Orleans.....	1890.. 0.64	10.54	29.26	15.26	0.63	9.91	6.92	5.03	1.26	.....	0.10
	1880.. 1.85	9.98	30.69	19.04	0.92	10.54	13.87	8.32	0.55	.....	0.92
New York.....	1890.. 1.10	10.21	1.12	10.43	1.92	22.31	24.50	1.22	1.82	0.02	1.37
	1880.. 1.01	8.97	0.85	23.01	4.80	14.86	19.27	4.20	1.13	.....	0.64
Omaha.....	1890.. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1880.. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Philadelphia.....	1890.. 1.35	17.00	1.12	28.13	1.66	8.75	13.77	1.17	1.79	0.04	2.78
	1880.. 1.22	11.43	0.65	25.80	2.13	8.02	9.97	1.03	1.03	0.06	2.74
Pittsburg.....	1890.. 1.67	12.28	0.42	24.35	1.87	12.70	23.52	3.87	4.37	0.21	2.50
	1880.. 1.82	12.46	0.30	31.60	0.30	10.64	10.64	2.73	.....	.....	1.82
Providence.....	1890.. 3.22	7.88	.....	16.48	1.43	15.78	9.67	2.51	3.58	.....	1.07
	1880.. 1.87	8.40	.....	18.07	2.33	9.34	9.34	2.33	.....	1.40	1.40
Rochester.....	1890.. 0.86	13.80	.....	28.69	1.20	14.23	16.82	0.86	.....	.....	0.43
	1880.. 0.84	9.23	0.84	17.62	4.19	4.19	9.23	0.84	2.52	.....	.....
St. Louis.....	1890.. 1.02	16.18	20.00	25.47	1.15	14.65	12.36	3.44	1.27	.....	1.15
	1880.. 1.38	19.22	17.53	45.08	0.31	9.84	14.00	0.46	1.69	0.46	0.46
St. Paul.....	1890.. 1.01	15.66	0.50	31.80	3.03	21.71	17.67	.....	0.50	0.50	0.50
	1880.. ..	14.53	2.01	23.26	5.81	17.44	17.44	.....	11.63	.....	.....
San Francisco.....	1890.. 0.60	9.53	0.45	18.02	2.83	11.17	16.08	1.10	0.74	.....	0.74
	1880.. 1.55	11.77	0.67	21.55	0.89	5.33	14.22	2.44	1.33	0.23	2.23
Washington.....	1890.. 1.84	10.83	8.99	15.97	1.28	12.66	15.05	6.06	2.57	1.10	2.57
	1880.. 3.58	13.12	10.02	26.96	3.34	10.02	17.18	8.83	2.30	2.39	3.58

It will be seen that in the aggregate for these cities the proportion of deaths in children under 1 year of age caused by diarrheal diseases, inanition, debility and atrophy, meningitis and brain diseases, and bronchitis and pneumonia per 1,000 of all deaths was greater in 1890 than in 1880. The proportion of deaths due to these infantile diseases was greater in 1880 than in 1890 in St. Louis, Boston, San Francisco, Cincinnati, New Orleans, Washington, Louisville, and Indianapolis, and was less in 1880 than in 1890 in all the other cities.

The proportion of infantile deaths due to diarrheal diseases was greater in 1890 than in 1880 in every city except Boston, Cincinnati, Washington, Detroit, Indianapolis, and Allegheny.

CITIES OF 100,000 INHABITANTS AND UPWARD.

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The following table shows for 9 cities and for their aggregate the number of living children under 1 year of age on June 1, 1890, by 4 age groups, the proportion in each age group per 1,000 of population under 1 year of age, the number of deaths of children which occurred during the census year, and the proportion in each age group per 1,000 deaths under 1 year of age, with distinction of color, nativity, and parental nativity, the cities being arranged in the order of magnitude of population:

COLOR, NATIVITY, AND PARENTAL NATIVITY.	Under 1 year.	MONTHS PERIODS.				COLOR, NATIVITY, AND PARENTAL NATIVITY.	Under 1 year.	MONTHS PERIODS.			
		Under 3 months.	3 to 6 months.	6 to 9 months.	9 to 12 months.			Under 3 months.	3 to 6 months.	6 to 9 months.	9 to 12 months.
Total:						Chicago--Continued.					
Population June 1, 1890.....	149,536	35,227	40,562	43,587	30,160	Deaths.....	8,607	4,962	1,603	1,174	808
White.....	144,108	33,990	39,034	42,061	29,017	White.....	8,515	4,921	1,583	1,155	856
Native born.....	143,915	33,905	38,833	41,765	28,812	Native born.....	8,440	4,912	1,560	1,128	834
Both parents native.....	25,275	6,080	6,798	7,374	5,017	Foreign born.....	75	9	17	27	22
One or both parents foreign.....	47,946	11,228	13,291	14,201	9,226	Colored.....	92	41	20	10	12
Foreign born.....	793	91	201	206	205	Proportion in each age group.....	1,000	577	186	130	101
Colored.....	5,428	1,231	1,528	1,520	1,143	White.....	1,000	578	180	130	100
Proportion in each age group.....	1,000	296	271	291	202	Native born.....	1,000	582	186	134	99
White.....	1,000	236	271	292	201	Foreign born.....	1,000	120	227	360	293
Native born.....	1,000	237	271	291	201	Colored.....	1,000	440	217	207	130
Both parents native.....	1,000	241	260	292	198	Philadelphia:					
One or both parents foreign.....	1,000	234	277	290	193	Population June 1, 1890.....	23,077	5,356	6,210	6,402	5,100
Foreign born.....	1,000	115	253	373	259	White.....	22,308	5,178	5,095	6,194	4,941
Colored.....	1,000	227	281	281	211	Native born.....	22,233	5,167	5,068	6,172	4,926
Deaths during the census year.....	48,259	27,764	8,615	6,003	5,277	Foreign born.....	75	11	27	22	15
White.....	44,706	25,093	8,030	6,110	4,933	Colored.....	769	178	224	208	159
Native born.....	44,566	25,061	7,975	6,038	4,892	Proportion in each age group.....	1,000	232	270	277	221
Both parents native.....	8,263	4,908	1,476	1,030	819	White.....	1,000	232	269	278	221
One or both parents foreign.....	10,331	0,141	2,858	2,336	1,996	Native born.....	1,000	232	268	278	222
Foreign born.....	230	32	55	72	71	Foreign born.....	1,000	147	360	203	200
Colored.....	3,403	2,071	585	403	314	Colored.....	1,000	231	291	271	207
Proportion in each age group.....	1,000	575	179	137	100	Deaths.....	6,762	3,780	1,291	940	730
White.....	1,000	574	179	136	111	White.....	6,350	3,570	1,200	877	694
Native born.....	1,000	576	179	135	110	Native born.....	6,340	3,577	1,194	875	694
Both parents native.....	1,000	594	178	125	103	Foreign born.....	10	2	6	2	.....
One or both parents foreign.....	1,000	560	175	143	122	Colored.....	412	210	91	09	42
Foreign born.....	1,000	139	230	313	309	Proportion in each age group.....	1,000	560	191	140	109
Colored.....	1,000	598	160	142	91	White.....	1,000	564	189	138	109
New York:						Native born.....	1,000	564	188	138	110
Population June 1, 1890.....	37,076	8,674	10,288	11,202	6,012	Foreign born.....	1,000	200	000	200	.....
White.....	36,062	8,587	10,177	11,064	6,834	Colored.....	1,000	510	221	167	102
Native born.....	36,414	8,500	10,120	10,955	6,773	Brooklyn:					
Both parents native.....	9,509	2,321	2,626	2,810	1,806	Population June 1, 1890.....	19,163	4,565	5,297	5,025	3,676
One or both parents foreign.....	26,845	6,239	7,500	8,130	4,967	White.....	18,935	4,523	5,227	5,548	3,637
Foreign born.....	248	27	51	100	61	Native born.....	18,893	4,510	5,195	5,517	3,611
Colored.....	414	87	111	138	78	Both parents native.....	7,478	1,827	2,007	2,186	1,458
Proportion in each age group.....	1,000	234	278	302	180	One or both parents foreign.....	11,355	2,643	3,188	3,331	2,153
White.....	1,000	234	278	302	180	Foreign born.....	103	13	32	31	26
Native born.....	1,000	235	278	301	180	Colored.....	228	42	70	77	30
Both parents native.....	1,000	243	274	294	180	Proportion in each age group.....	1,000	238	276	294	102
One or both parents foreign.....	1,000	233	270	303	185	White.....	1,000	239	270	293	102
Foreign born.....	1,000	100	206	439	240	Native born.....	1,000	230	270	293	102
Colored.....	1,000	210	208	338	189	Both parents native.....	1,000	244	269	292	195
Deaths.....	13,650	7,704	2,405	1,017	1,038	One or both parents foreign.....	1,000	236	281	293	190
White.....	13,362	7,540	2,348	1,863	1,005	Foreign born.....	1,000	127	314	304	255
Native born.....	13,263	7,532	2,324	1,834	1,573	Colored.....	1,000	184	307	338	171
Both parents native.....	3,567	2,110	623	450	384	Deaths.....	6,217	3,477	1,151	899	720
One or both parents foreign.....	9,896	5,422	1,701	1,384	1,180	White.....	6,102	3,425	1,126	847	704
Foreign born.....	99	14	24	29	32	Native born.....	6,085	3,424	1,124	841	696
Colored.....	297	158	57	54	28	Both parents native.....	2,431	1,431	463	296	241
Proportion in each age group.....	1,000	584	170	140	120	One or both parents foreign.....	3,654	1,993	681	545	455
White.....	1,000	585	170	139	120	Foreign born.....	17	1	2	6	8
Native born.....	1,000	593	175	138	119	Colored.....	115	52	25	22	10
Both parents native.....	1,000	591	175	126	108	Proportion in each age group.....	1,000	559	185	140	116
One or both parents foreign.....	1,000	559	175	143	123	White.....	1,000	561	185	139	115
Foreign born.....	1,000	141	243	293	323	Native born.....	1,000	563	185	138	114
Colored.....	1,000	532	192	182	94	Both parents native.....	1,000	589	190	122	90
Chicago:						One or both parents foreign.....	1,000	545	181	149	125
Population June 1, 1890.....	30,104	7,482	7,990	8,750	5,882	Foreign born.....	1,000	59	118	353	470
White.....	29,927	7,438	7,936	8,707	5,840	Colored.....	1,000	452	218	191	139
Native born.....	29,678	7,408	7,864	8,619	5,787	St. Louis:					
Foreign born.....	249	30	72	88	59	Population June 1, 1890.....	10,574	2,400	2,890	3,108	2,170
Colored.....	177	44	54	43	36	White.....	10,040	2,273	2,742	2,969	2,056
Proportion in each age group.....	1,000	240	265	291	195	Native born.....	10,017	2,260	2,730	2,963	2,049
White.....	1,000	240	265	291	195	Foreign born.....	23	4	6	6	7
Native born.....	1,000	250	265	290	195	Colored.....	534	127	154	139	114
Foreign born.....	1,000	121	289	353	237	Proportion in each age group.....	1,000	227	274	294	205
Colored.....	1,000	249	305	243	203	White.....	1,000	226	273	296	205
						Native born.....	1,000	226	273	296	205
						Foreign born.....	1,000	174	261	261	304
						Colored.....	1,000	238	288	260	214

VITAL AND SOCIAL STATISTICS.

POPULATION, DEATHS, AND PROPORTIONS—Continued.

COLOR, NATIVITY, AND PARENTAL NATIVITY.	Under 1 year.	MONTHS PERIODS.				COLOR, NATIVITY, AND PARENTAL NATIVITY.	Under 1 year.	MONTHS PERIODS.			
		Under 3 months.	3 to 6 months.	6 to 9 months.	9 to 12 months.			Under 3 months.	3 to 6 months.	6 to 9 months.	9 to 12 months.
St. Louis—Continued.						Cincinnati:					
Deaths.....	2,801	1,866	413	310	212	Population June 1, 1890.....	6,711	1,598	1,774	1,918	1,421
White.....	2,506	1,669	375	273	189	White.....	6,514	1,549	1,728	1,866	1,371
Native born.....	2,501	1,668	373	273	187	Native born.....	6,503	1,548	1,725	1,862	1,369
Foreign born.....	5	1	2	2	2	Both parents native.....	3,420	818	906	1,000	690
Colored.....	295	197	38	37	23	One or both parents foreign.....	3,093	730	819	862	672
Proportion in each age group.....	1,000	666	147	111	76	Foreign born.....	11	1	3	4	3
White.....	1,000	666	150	109	75	Colored.....	197	49	46	52	30
Native born.....	1,000	667	149	109	75	Proportion in each age group.....	1,000	238	264	286	212
Foreign born.....	1,000	200	400	400	78	White.....	1,000	238	265	286	211
Colored.....	1,000	668	129	125	78	Native born.....	1,000	238	265	286	211
Boston:						Both parents native.....	1,000	239	265	292	204
Population June 1, 1890.....	8,797	2,085	2,353	2,491	1,868	One or both parents foreign.....	1,000	237	266	279	218
White.....	8,641	2,040	2,315	2,448	1,838	Foreign born.....	1,000	91	273	303	273
Native born.....	8,578	2,036	2,310	2,422	1,810	Colored.....	1,000	240	293	264	254
Both parents native.....	2,480	583	670	712	515	Deaths.....	1,743	1,041	280	232	190
One or both parents foreign.....	6,098	1,453	1,640	1,710	1,295	White.....	1,647	977	267	222	181
Foreign born.....	63	4	5	26	28	Native born.....	1,647	977	267	222	181
Colored.....	156	45	38	43	30	Both parents native.....	882	560	141	101	80
Proportion in each age group.....	1,000	237	268	283	212	One or both parents foreign.....	765	417	120	121	101
White.....	1,000	236	268	283	213	Foreign born.....	66	64	18	10	9
Native born.....	1,000	238	269	282	211	Colored.....	1,000	597	161	133	109
Both parents native.....	1,000	235	270	287	208	Proportion in each age group.....	1,000	593	162	135	110
One or both parents foreign.....	1,000	238	269	281	212	White.....	1,000	593	162	135	110
Foreign born.....	1,000	64	79	413	444	Native born.....	1,000	593	162	135	110
Colored.....	1,000	288	244	276	192	Both parents native.....	1,000	615	160	114	91
Deaths.....	2,903	1,711	490	383	319	One or both parents foreign.....	1,000	515	165	158	133
White.....	2,826	1,670	478	360	312	Foreign born.....	1,000	667	135	104	94
Native born.....	2,806	1,665	474	360	307	Colored.....	1,000	667	135	104	94
Both parents native.....	766	470	126	97	73	Washington:					
One or both parents foreign.....	2,041	1,195	348	263	234	Population June 1, 1890.....	4,467	1,007	1,102	1,266	1,032
Foreign born.....	20	5	4	6	5	White.....	2,894	660	733	810	682
Colored.....	77	45	12	17	7	Native born.....	2,893	660	733	810	681
Proportion in each age group.....	1,000	589	169	132	110	Both parents native.....	2,328	537	589	660	512
White.....	1,000	591	169	130	110	One or both parents foreign.....	565	123	144	150	139
Native born.....	1,000	593	169	128	110	Foreign born.....	1	1	1	1	1
Both parents native.....	1,000	614	164	127	95	Colored.....	1,573	347	429	447	350
One or both parents foreign.....	1,000	586	170	129	115	Proportion in each age group.....	1,000	220	260	283	231
Foreign born.....	1,000	250	200	300	250	White.....	1,000	228	253	283	236
Colored.....	1,000	532	156	221	91	Native born.....	1,000	228	253	283	236
Baltimore:						Both parents native.....	1,000	231	253	283	233
Population June 1, 1890.....	9,567	2,060	2,583	2,825	2,069	One or both parents foreign.....	1,000	218	255	281	246
White.....	8,187	1,748	2,181	2,446	1,812	Foreign born.....	1,000	221	273	284	222
Native born.....	8,166	1,747	2,176	2,436	1,807	Colored.....	1,000	221	273	284	222
Foreign born.....	21	1	5	10	5	Deaths.....	1,688	1,154	803	230	192
Colored.....	1,380	312	402	370	267	White.....	793	451	145	100	88
Proportion in each age group.....	1,000	215	270	285	220	Native born.....	793	451	145	100	88
White.....	1,000	214	266	290	221	Both parents native.....	617	337	123	86	71
Native born.....	1,000	214	267	298	221	One or both parents foreign.....	176	114	22	23	17
Foreign born.....	1,000	48	238	476	238	Foreign born.....	1,005	703	158	130	104
Colored.....	1,000	226	291	275	208	Proportion in each age group.....	1,000	611	160	127	102
Deaths.....	3,679	2,060	679	533	407	White.....	1,000	569	183	137	111
White.....	2,695	1,455	508	398	334	Native born.....	1,000	569	183	137	111
Native born.....	2,691	1,455	508	396	332	Both parents native.....	1,000	546	190	140	115
Foreign born.....	4	1	2	2	2	One or both parents foreign.....	1,000	648	125	131	96
Colored.....	984	605	171	135	73	Foreign born.....	1,000	642	144	119	96
Proportion in each age group.....	1,000	560	184	145	111	Colored.....	1,000	642	144	119	96
White.....	1,000	540	188	143	124						
Native born.....	1,000	541	189	147	123						
Foreign born.....	1,000	541	189	147	123						
Colored.....	1,000	615	174	137	74						

Of the total 149,536 children under 1 year of age found in the cities given in the preceding table on June 1, 1890, 35,227, or 236 per 1,000, were under 3 months of age; 40,562, or 271 per 1,000, were between 3 and 6 months of age; 43,587, or 291 per 1,000, were from 6 to 9 months of age, and 30,160, or 202 per 1,000, were between 9 and 12 months of age.

These figures are evidently erroneous, since the number of children under 3 months of age should be greater than that of children from 3 to 6 months of age, which last number should be greater than that of those from 6 to 9 months of age, which in its turn should be greater than that of the group from 9 to 12 months of age. This error is partly due to an actual deficiency in the returns, which was probably greatest for the children under 3 months of age, and partly to a tendency to report infants 10 or 11 months old as being 1 year old. The true number of infants under 1 year of age in these cities was probably at least 165,000.

The following table shows for 9 cities and for their aggregate the proportion of living infants under 3 months of age on June 1, 1890, per 1,000 of those under 1 year of age, and the corresponding proportion of deaths, with distinction of white and colored, the cities being arranged in order of magnitude of population:

CITIES.	UNDER 3 MONTHS OF AGE.			
	Proportion living per 1,000 of those under 1 year of age.		Proportion of deaths per 1,000 deaths under 1 year of age.	
	White.	Colored.	White.	Colored.
Total	236	227	574	598
New York	234	210	565	533
Chicago	249	249	578	446
Philadelphia	232	231	564	510
Brooklyn	239	184	561	452
St. Louis	220	238	600	608
Boston	230	288	591	532
Baltimore	214	220	540	615
Cincinnati	238	249	593	667
Washington	228	221	560	642

This table shows that in these cities over one-half of the deaths of children under 1 year of age occurred in those under 3 months of age, the ratios per 1,000 ranging, for the whites, from 666 in St. Louis to 540 in Baltimore, and for the colored, from 668 in St. Louis and 667 in Cincinnati to 452 in Brooklyn and 446 in Chicago.

The following table shows for each of these cities and for their aggregate the proportion of living infants from 3 to 6 months of age on June 1, 1890, per 1,000 of those under 1 year of age, and the corresponding proportion of deaths, with distinction of white and colored, the cities being arranged in order of magnitude of population:

CITIES.	3 TO 6 MONTHS OF AGE.			
	Proportion living per 1,000 of those under 1 year of age.		Proportion of deaths per 1,000 deaths under 1 year of age.	
	White.	Colored.	White.	Colored.
Total	271	281	179	169
New York	278	208	176	102
Chicago	265	305	180	217
Philadelphia	269	291	189	221
Brooklyn	270	307	185	218
St. Louis	273	283	150	129
Boston	268	244	169	166
Baltimore	266	291	188	174
Cincinnati	265	283	162	135
Washington	253	273	183	144

This table shows that in these cities about 18 per cent of the deaths of children under 1 year of age occurred in those between 3 and 6 months of age, the number per 1,000 for the whites ranging from 189 in Philadelphia and 188 in Baltimore to 150 in St. Louis and 162 in Cincinnati, and for the colored, from 221 in Philadelphia to 129 in St. Louis.

VITAL AND SOCIAL STATISTICS.

The following table shows for 9 cities and for their aggregate the proportion of living infants from 6 to 9 months of age on June 1, 1890, per 1,000 of those under 1 year of age, and the corresponding proportion of deaths, with distinction of white and colored, the cities being arranged in order of magnitude of population:

CITIES.	6 TO 9 MONTHS OF AGE.			
	Proportion living per 1,000 of those under 1 year of age.		Proportion of deaths per 1,000 deaths under 1 year of age.	
	White.	Colored.	White.	Colored.
Total	292	281	136	142
New York	302	333	139	182
Chicago	291	243	136	207
Philadelphia	278	271	138	167
Brooklyn	293	338	139	191
St. Louis	296	260	109	125
Boston	283	276	130	221
Baltimore	299	275	148	137
Cincinnati	286	264	135	104
Washington	283	284	137	119

This table shows that in these cities about 14 per cent of the deaths of children under 1 year of age occurred in those between 6 and 9 months of age, the number per 1,000 ranging, for the whites, from 148 in Baltimore to 109 in St. Louis, and for the colored, from 221 in Boston to 104 in Cincinnati.

The following table shows for 9 cities and for their aggregate the proportion of living infants from 9 to 12 months of age on June 1, 1890, per 1,000 of those under 1 year of age, and the corresponding proportion of deaths, with distinction of white and colored, the cities being arranged in order of magnitude of population:

CITIES.	9 TO 12 MONTHS OF AGE.			
	Proportion living per 1,000 of those under 1 year of age.		Proportion of deaths per 1,000 deaths under 1 year of age.	
	White.	Colored.	White.	Colored.
Total	201	211	111	91
New York	189	189	120	94
Chicago	195	203	100	130
Philadelphia	221	207	109	102
Brooklyn	192	171	115	139
St. Louis	205	214	75	78
Boston	213	192	110	91
Baltimore	221	208	124	74
Cincinnati	211	254	110	94
Washington	236	222	111	95

This table shows that in these cities about 11 per cent of the deaths of children under 1 year of age occurred in those from 9 to 12 months of age, the number per 1,000 ranging, for the whites, from 124 in Baltimore to 75 in St. Louis, and for the colored, from 139 in Brooklyn to 74 in Baltimore.

RACE.

In the 28 cities of 100,000 population and upward there was reported on June 1, 1890, a total population of 9,697,960, of whom 9,229,742 were white and 468,218 were colored.

Of the white, 6,183,209 were reported as being native and 3,046,533 as being foreign born. The number of deaths reported in these cities during the census year was: white, 210,215; colored, 15,753. Using the population at the end of the census year as a factor, as is done throughout this report, we have a death rate of 22.78 for the white and 33.64 for the colored.

CITIES OF 100,000 INHABITANTS AND UPWARD.

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The following table shows for the 28 cities and for their aggregate the population on June 1, 1890, with distinction of color and general nativity, and for 18 of the cities the additional distinction of parental nativity:

CITIES.	Aggregate.	WHITE.					Colored.
		Total.	Native born.			Foreign born.	
			Total.	Both parents native.	One or both parents foreign.		
Total	9,697,960	9,229,742	6,183,209	1,463,972	2,190,478	3,046,533	468,218
Allegheny	105,287	102,750	76,662	.....	.....	26,087	2,528
Baltimore	494,439	307,143	298,587	.....	.....	68,576	67,296
Boston	448,477	439,587	283,209	135,740	147,469	156,878	8,590
Brooklyn	806,343	795,397	534,072	222,573	312,090	260,725	10,046
Buffalo	255,664	254,495	165,295	59,744	108,551	80,200	1,109
Chicago	1,099,850	1,084,098	635,370	.....	.....	449,628	14,852
Cincinnati	296,908	285,224	213,914	80,341	133,573	71,310	11,684
Cleveland	261,853	258,318	161,391	61,668	99,723	96,927	3,035
Denver	106,713	102,642	78,201	.....	.....	24,441	4,071
Detroit	205,876	202,422	121,473	42,922	78,551	80,949	3,454
Indianapolis	105,436	96,282	81,833	56,999	24,834	14,440	9,154
Jersey city	163,003	160,766	107,586	41,559	66,027	53,180	2,237
Kansas city	132,716	118,821	98,185	.....	.....	20,636	13,895
Louisville	161,129	132,457	108,995	.....	.....	23,462	28,672
Milwaukee	204,468	204,001	124,461	27,237	97,224	79,540	467
Minneapolis	164,738	163,384	102,869	53,929	48,940	60,515	1,354
Newark	181,850	177,559	122,164	55,781	66,383	55,395	4,271
New Orleans	242,039	177,376	143,473	.....	.....	33,903	64,663
New York	1,515,301	1,489,627	852,641	270,487	582,154	636,986	25,074
Omaha	140,452	135,794	100,871	.....	.....	34,923	4,658
Philadelphia	1,040,964	1,006,599	738,341	.....	.....	268,249	40,374
Pittsburg	238,617	230,660	157,506	69,240	88,266	73,154	7,957
Providence	132,146	128,065	87,878	48,361	39,517	40,217	4,051
Rochester	133,896	133,318	93,585	39,030	53,655	39,733	578
St. Louis	451,770	424,704	310,094	.....	.....	114,610	27,000
St. Paul	133,156	131,032	78,552	31,011	47,541	53,080	1,524
San Francisco	298,897	270,696	199,243	92,141	107,102	101,453	28,301
Washington	230,392	154,095	136,178	107,309	28,809	18,517	75,097

The following table shows for the 28 cities and for their aggregate the death rates per 1,000 of population, with distinction of color and general nativity, and for 18 of the cities the additional distinction of parental nativity, stillbirths included:

CITIES.	Aggregate.	WHITE.					Colored.
		Total.	Native born.			Foreign born.	
			Total.	Both parents native.	One or both parents foreign.		
Total	23.80	22.78	24.04	23.87	26.81	20.21	33.64
Allegheny	20.15	20.00	19.80			20.81	24.13
Baltimore	24.75	22.61	22.33			23.80	36.41
Boston	24.79	24.03	25.03	20.29	31.14	22.25	33.20
Brooklyn	25.54	25.41	26.53	26.80	26.34	23.11	34.99
Buffalo	19.90	19.83	21.33	21.99	21.03	17.06	34.22
Chicago	21.06	21.03	25.35			14.03	23.30
Cincinnati	23.30	21.93	20.77	27.40	16.79	25.41	33.04
Cleveland	21.95	21.83	25.82	21.42	28.69	15.20	31.03
Denver	24.21	24.56	26.07			19.72	15.48
Detroit	20.42	20.36	24.13	17.03	28.30	14.71	23.45
Indianapolis	18.85	17.78	17.52	19.32	13.37	19.24	30.04
Jersey city	27.51	27.43	20.15	28.63	29.58	24.11	29.50
Kansas city	19.24	17.54	17.03			17.11	33.75
Louisville	21.81	19.61	18.18			26.21	31.98
Milwaukee	19.28	19.26	20.91	17.66	22.01	16.68	25.70
Minneapolis	14.81	14.76	17.42	12.41	23.15	10.25	20.68
Newark	29.04	28.67	30.75	30.46	31.11	24.08	44.49
New Orleans	28.40	25.41	22.35			38.87	36.61
New York	28.63	28.47	32.33	30.15	33.20	23.81	37.47
Omaha	9.95	9.96	10.55			8.28	9.45
Philadelphia	22.67	22.28	23.00			20.92	32.42
Pittsburg	21.82	21.56	22.68	19.82	25.08	19.15	29.16
Providence	22.86	21.97	23.15	21.26	25.48	19.89	34.81
Rochester	17.35	17.39	16.81	16.35	17.26	18.78	6.92
St. Louis	19.14	18.15	17.18			20.78	34.55
St. Paul	16.82	16.74	21.20	18.77	22.80	10.15	23.62
San Francisco	23.61	23.57	22.16	29.59	17.89	25.91	24.06
Washington	25.85	19.79	18.62	18.09	20.58	28.46	38.22

VITAL AND SOCIAL STATISTICS.

It will be seen from the preceding table that the death rate was higher among those having one or both parents of foreign birth than it was among those whose parents were native.

The following table shows for the 28 cities and for their aggregate the death rates of the total white, of the native white, of the foreign white, and of the colored, during the census year, in the aggregate and for 2 age groups, per 1,000 of corresponding population, stillbirths included:

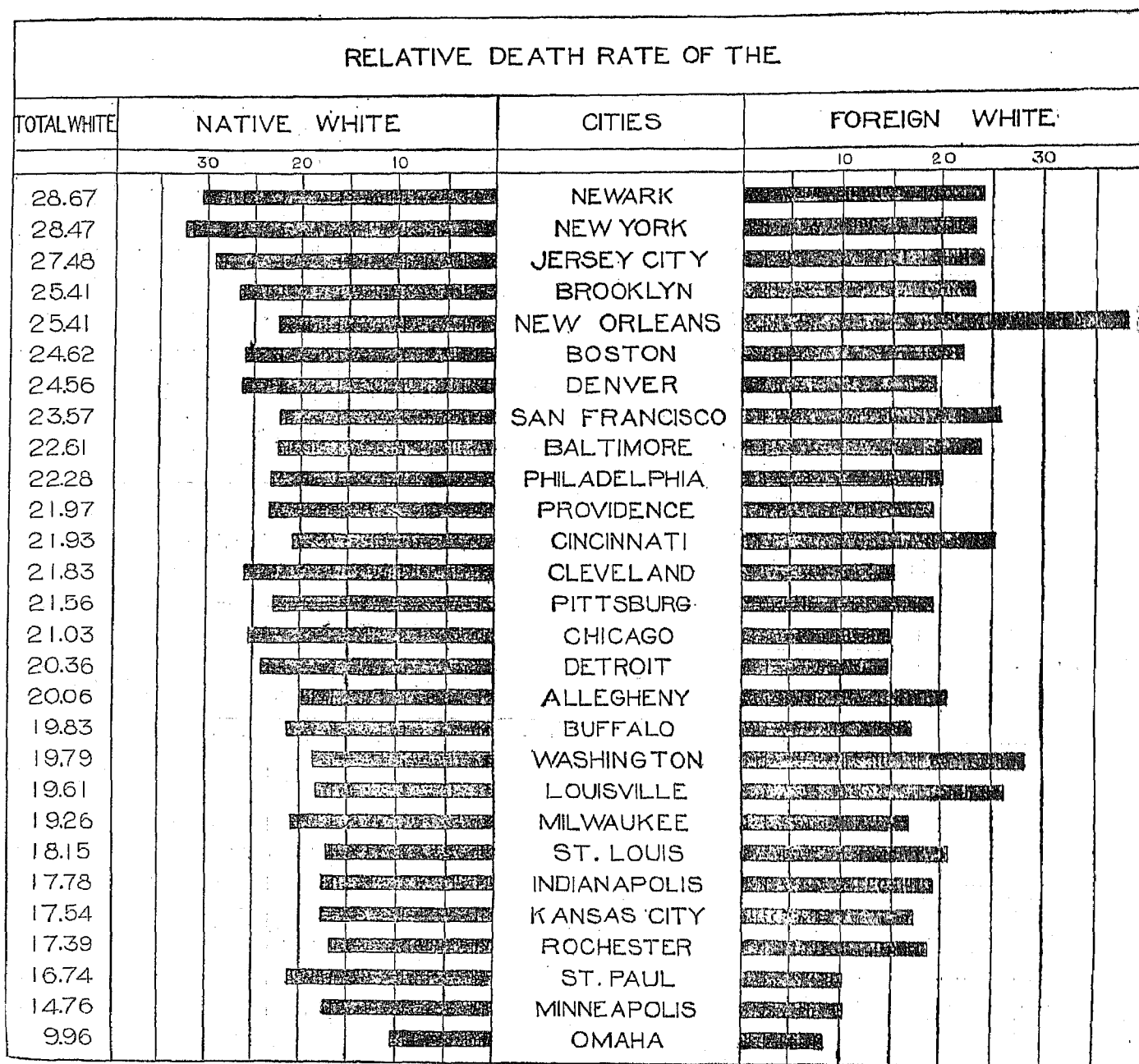
CITIES.	DEATH RATES PER 1,000 OF POPULATION.											
	White.									Colored.		
	Total.			Native born.			Foreign born.					
	All ages.	Under 5 years.	5 years and over.	All ages.	Under 5 years.	5 years and over.	All ages.	Under 5 years.	5 years and over.	All ages.	Under 5 years.	5 years and over.
Total.....	22.78	90.37	14.37	24.04	91.67	11.11	20.21	45.47	10.97	33.04	173.36	21.08
Allegheny	20.06	77.65	12.60	19.80	78.59	9.52	20.81	39.43	20.61	24.13	93.75	10.29
Baltimore	22.61	94.70	13.87	22.33	95.10	11.31	23.86	64.88	23.59	30.41	208.23	13.37
Boston	24.62	100.90	17.12	25.93	102.54	14.03	22.25	52.55	22.00	33.29	191.74	21.29
Brooklyn	25.41	99.43	15.97	20.53	101.02	11.91	23.11	36.99	22.99	34.99	169.85	22.89
Buffalo	19.83	74.86	11.68	21.33	70.93	8.43	17.06	36.95	10.68	34.22	152.04	21.91
Chicago	21.03	85.14	11.53	25.35	86.56	8.83	14.68	46.61	14.57	23.30	150.14	15.13
Cincinnati	21.93	87.09	14.14	20.77	87.47	9.81	25.41	40.82	25.86	33.04	105.20	21.90
Cleveland	21.83	93.01	12.11	25.82	96.74	9.90	15.20	19.26	15.14	31.63	137.93	22.83
Denver	24.56	103.12	16.70	26.07	102.71	15.95	19.72	10.37	18.82	15.48	109.59	10.12
Detroit	20.30	84.20	11.18	24.13	87.02	8.57	14.71	34.41	14.37	23.45	73.64	19.40
Indianapolis	17.78	74.22	12.20	17.52	74.63	10.82	10.24	16.13	19.25	30.04	120.44	20.68
Jersey city	27.48	110.08	16.80	29.15	111.80	12.69	24.11	42.13	23.95	29.50	168.37	16.17
Kansas city	17.54	87.09	10.04	17.63	86.80	8.54	17.11	107.50	16.41	33.75	221.31	17.66
Louisville	19.01	74.93	13.50	18.18	75.20	10.39	26.21	16.39	26.24	31.98	157.50	21.08
Milwaukee	19.26	69.17	11.30	20.91	69.58	7.32	16.68	56.79	16.23	25.70	166.67	11.76
Minneapolis	14.76	59.51	8.77	17.42	60.15	7.85	10.25	34.84	10.05	20.68	150.00	11.06
Newark	28.07	116.82	17.63	30.75	119.20	14.24	24.08	32.97	23.09	44.49	266.48	28.80
New Orleans	25.41	87.33	17.03	22.36	87.62	12.88	38.37	41.32	38.36	36.61	118.17	27.04
New York	28.47	115.05	17.70	32.33	117.76	13.06	23.31	60.66	22.95	37.47	231.09	28.81
Omaha	9.90	39.22	6.09	10.55	38.74	5.42	8.28	59.30	7.73	9.45	42.44	6.54
Philadelphia	22.28	87.25	15.06	23.00	88.71	12.88	20.82	20.49	20.32	32.42	175.02	20.34
Pittsburg	21.56	86.08	12.04	22.68	87.23	9.31	19.15	54.49	18.67	29.16	153.85	17.69
Providence	21.97	87.83	15.74	23.15	89.30	14.02	19.39	50.24	19.07	34.81	169.10	22.38
Rochester	17.39	56.19	12.81	16.81	56.81	10.02	18.78	39.68	18.51	6.92	21.28	5.65
St. Louis	18.15	67.87	11.82	17.18	68.10	7.94	20.78	38.04	20.73	34.55	168.98	21.59
St. Paul	16.74	70.99	8.68	21.20	72.32	7.66	10.15	33.96	9.89	23.62	189.87	14.53
San Francisco	23.57	88.54	17.67	22.16	89.44	12.09	25.91	48.58	25.80	24.06	118.68	22.52
Washington	19.79	79.25	14.20	18.02	79.49	12.06	28.46	18.87	28.49	38.22	205.20	21.20

It will be seen from this table that the death rate of the colored was greater than that of the white in each city except Rochester, Omaha, and Denver. The total colored population of Rochester was 578, with 4 deaths during the census year. The colored population of Omaha was 4,658, with 44 deaths, and of Denver 4,071, with 63 deaths, during the same time. These figures are too small to give reliable death rates for the single year, but it is probable that the great majority of these colored people were adults of ages having a low death rate.

CITIES OF 100,000 INHABITANTS AND UPWARD.

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The following diagram shows for the 28 cities the relative death rates of the native and foreign white, the cities being arranged in the order of magnitude of the death rates of the total white:



It will be seen from the preceding table and the diagram that in the majority of the cities the death rate of the native whites was greater than that of the foreign whites, which is due to the fact, already referred to, that the native whites include a much larger proportion of young children than the foreign whites, including as they do the children of immigrants who have arrived within the last 15 years. There are, however, some marked exceptions to this rule, more especially New Orleans, Washington, St. Louis, Indianapolis, and Rochester.

VITAL AND SOCIAL STATISTICS.

The following table shows for 18 cities and for their aggregate the number of population having mothers born in the specified countries:

CITIES.	BIRTHPLACES OF MOTHERS.													
	United States. (White.)	England and Wales.	Scotland.	Ireland.	Germany.	Canada.	France.	Scandi- navia.	Russia and Poland.	Bohe- mia.	Hun- gary.	Italy.	Other foreign coun- tries.	Un- known.
Total	1,736,663	284,348	86,722	1,207,874	1,422,424	132,896	45,875	134,550	(a)	37,542	23,722	98,708	292,453	73,121
Boston	140,006	21,621	9,068	100,692	21,011	44,495	1,589	6,105	(a)	210	228	6,496	12,028	6,738
Brooklyn	260,458	50,379	14,195	196,372	195,063	7,152	4,777	21,178	7,581	205	800	12,454	10,088	4,090
Buffalo	78,226	13,435	3,558	31,373	95,079	9,852	2,600	1,008	12,860	27	104	2,287	4,308	3,089
Cincinnati	102,712	7,160	1,480	33,870	127,117	1,076	2,080	348	(a)	51	152	1,204	4,643	3,325
Cleveland	72,078	21,652	3,953	32,147	80,105	5,263	953	1,211	(a)	17,747	3,918	870	14,072	3,051
Detroit	54,025	13,586	5,993	21,140	68,947	17,904	2,013	550	9,894	920	111	604	2,701	3,008
Indianapolis	58,425	1,948	824	9,026	19,154	557	556	391	(a)	26	73	162	1,025	4,115
Jersey city	50,800	9,831	3,497	52,193	32,898	1,193	1,201	1,541	(a)	22	102	1,981	4,555	952
Milwaukee	39,694	5,647	1,522	11,119	113,696	1,569	555	4,202	15,185	2,682	110	180	6,010	1,770
Minneapolis	56,584	5,562	2,324	12,510	10,634	9,773	601	47,981	(a)	714	271	179	4,244	6,037
Newark	64,859	10,033	2,753	30,679	55,358	649	1,205	552	(a)	112	538	3,725	5,218	1,843
New York	338,355	55,516	19,027	399,278	403,784	9,463	16,239	13,311	80,235	12,287	15,555	54,334	58,000	12,723
Pittsburg	84,901	19,701	3,576	49,633	55,456	689	1,278	1,097	(a)	70	846	2,251	9,058	2,153
Providence	62,158	12,581	3,116	43,020	3,121	6,078	255	1,753	(a)	17	16	1,872	2,786	1,916
Rochester	47,972	9,381	1,852	19,138	39,318	5,965	867	217	(a)	10	22	629	5,600	2,287
St. Paul	35,838	4,662	1,882	16,103	30,975	5,798	743	23,498	(a)	2,316	519	388	5,337	3,508
San Francisco	75,296	17,651	6,250	72,009	50,892	4,716	7,300	9,153	(a)	104	263	8,444	13,210	6,332
Washington	111,189	4,662	1,252	16,931	13,026	700	551	358	(a)	13	58	690	1,457	4,402

a Russia and Poland included with "Other foreign countries".

The following table shows for 18 cities and for their aggregate the death rates during the census year of those having mothers born in the specified countries per 1,000 of corresponding population:

CITIES.	BIRTHPLACES OF MOTHERS.												
	United States. (White.)	England and Wales.	Scotland.	Ireland.	Ger- many.	Canada.	France.	Scandi- navia.	Russia and Poland.	Bohemian.	Hun- gary.	Italy.	Other foreign countries.
Total	20.87	19.38	19.16	26.74	19.87	19.61	19.00	19.04	(a)	30.47	27.10	33.35	23.74
Boston	20.95	13.45	18.64	23.38	18.56	23.24	17.02	23.10	(a)	47.02	35.09	24.78	22.67
Brooklyn	26.01	20.21	20.92	27.83	21.58	21.67	14.86	24.88	23.61	24.30	7.61	30.53	25.67
Buffalo	19.69	13.40	17.43	20.62	16.96	17.56	11.15	23.63	33.72	148.15	28.85	26.24	8.87
Cincinnati	20.74	14.66	8.11	19.75	17.87	13.94	8.03	8.03	(a)	30.22	0.58	15.78	16.87
Cleveland	19.60	17.55	12.90	22.58	20.92	19.38	9.44	14.86	(a)	28.79	26.29	38.68	23.81
Detroit	12.51	13.76	13.68	18.12	17.49	16.53	24.34	26.68	47.71	32.61	9.01	33.13	18.40
Indianapolis	10.27	7.19	4.85	12.52	14.67	12.57	3.60	7.67	(a)	-----	-----	6.17	8.78
Jersey city	28.17	25.94	23.73	28.26	22.04	16.76	21.15	25.96	(a)	45.45	20.41	31.30	28.08
Milwaukee	14.03	15.58	9.86	17.45	19.33	15.30	10.81	14.08	17.78	22.07	27.27	38.80	9.48
Minneapolis	12.16	10.36	12.01	12.12	12.08	15.25	9.98	15.00	(a)	23.81	44.28	11.17	17.07
Newark	27.01	20.33	20.34	29.50	20.45	23.11	15.77	19.93	(a)	17.86	22.30	35.17	15.61
New York	29.03	27.61	26.55	32.20	22.08	27.06	24.08	23.32	18.17	36.22	29.25	39.90	22.44
Pittsburg	17.40	19.85	17.62	22.38	19.58	11.61	14.08	24.11	(a)	88.61	27.10	23.55	24.51
Providence	21.91	16.93	21.18	23.78	19.55	21.06	27.45	20.54	(a)	58.82	-----	22.97	23.80
Rochester	9.40	9.59	10.80	16.46	13.38	14.02	17.30	8.22	(a)	-----	-----	17.40	10.07
St. Paul	16.35	12.87	8.50	15.77	19.47	5.60	55.18	16.51	(a)	20.29	21.19	18.04	10.30
San Francisco	1.31	13.99	13.12	13.98	10.89	18.87	15.74	12.89	(a)	19.23	0.85	13.86	70.39
Washington	16.02	22.16	26.36	25.52	19.81	14.29	16.33	13.97	(a)	-----	17.24	14.08	24.02

a Russia and Poland included with "Other foreign countries".

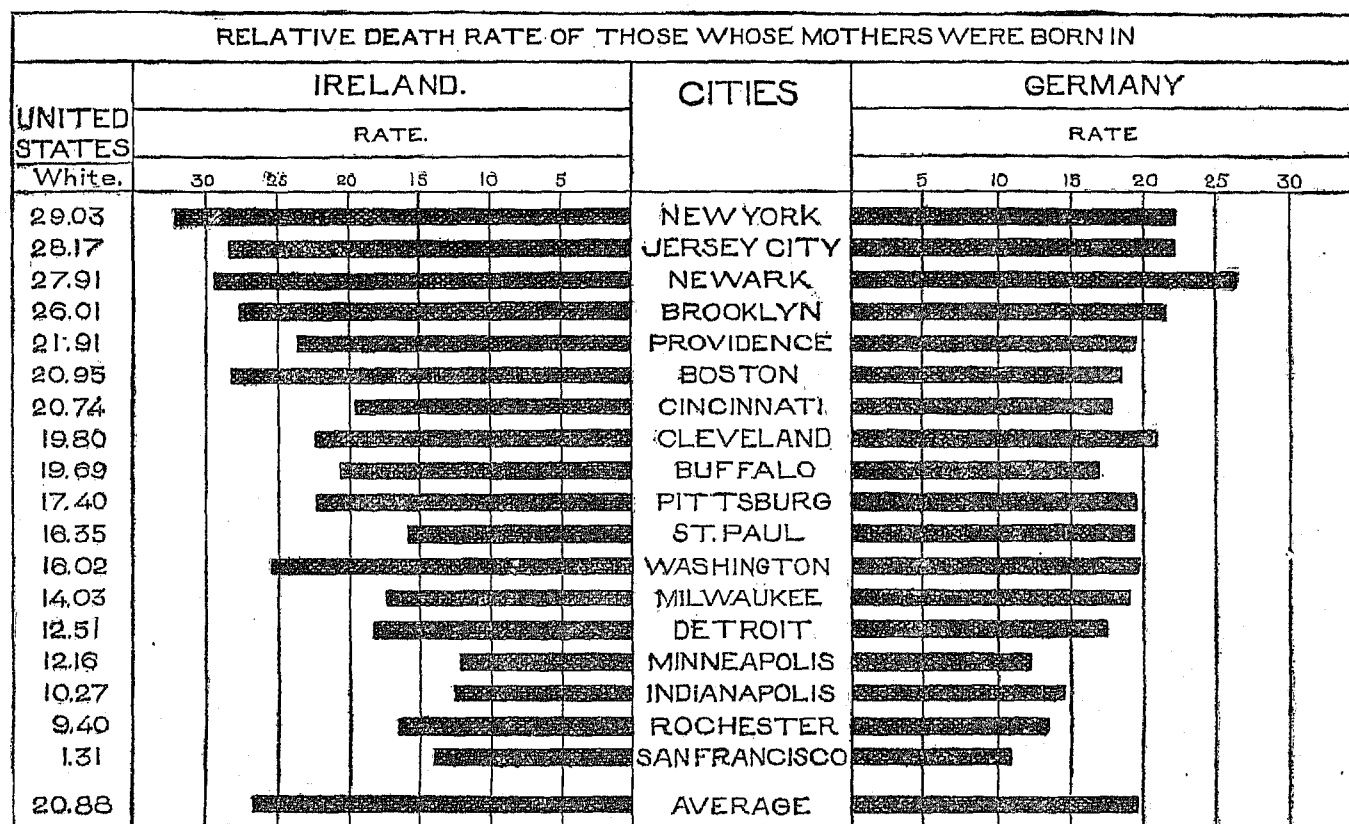
It will be seen from the above table that in the classification by birthplaces of mothers the death rate was highest among those whose mothers were born in Italy (33.35), in Bohemia (30.47), and in Ireland (26.74). For those whose mothers were born in the United States it was 20.87, for those whose mothers were born in Scandinavia 19.04, for those whose mothers were born in France 19.00, for those whose mothers were born in Scotland 19.16, for those whose mothers were born in England and Wales 19.38, and for those whose mothers were born in Germany 19.87.

The high rates given for some birthplaces of mothers in certain cities are due to the fact that the number of population of that class was very small. For example, in Buffalo the total number of persons whose mothers were born in Bohemia was only 27, but in this group there were 4 deaths, giving a death rate of 148.15 per 1,000 of the corresponding population.

CITIES OF 100,000 INHABITANTS AND UPWARD.

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The following diagram shows for 18 cities and for their aggregate the relative death rates of those whose mothers were born in Ireland and those whose mothers were born in Germany, the cities being arranged in the order of magnitude of the death rates of those whose mothers were born in the United States, which last are given in figures:



It will be seen from this diagram that the average death rate of those whose mothers were born in Ireland was greater than that of those whose mothers were born in Germany, and also greater than that of those whose mothers were born in the United States. In St. Paul, Milwaukee, and Indianapolis the death rate of the children of German mothers exceeded that of Irish mothers.

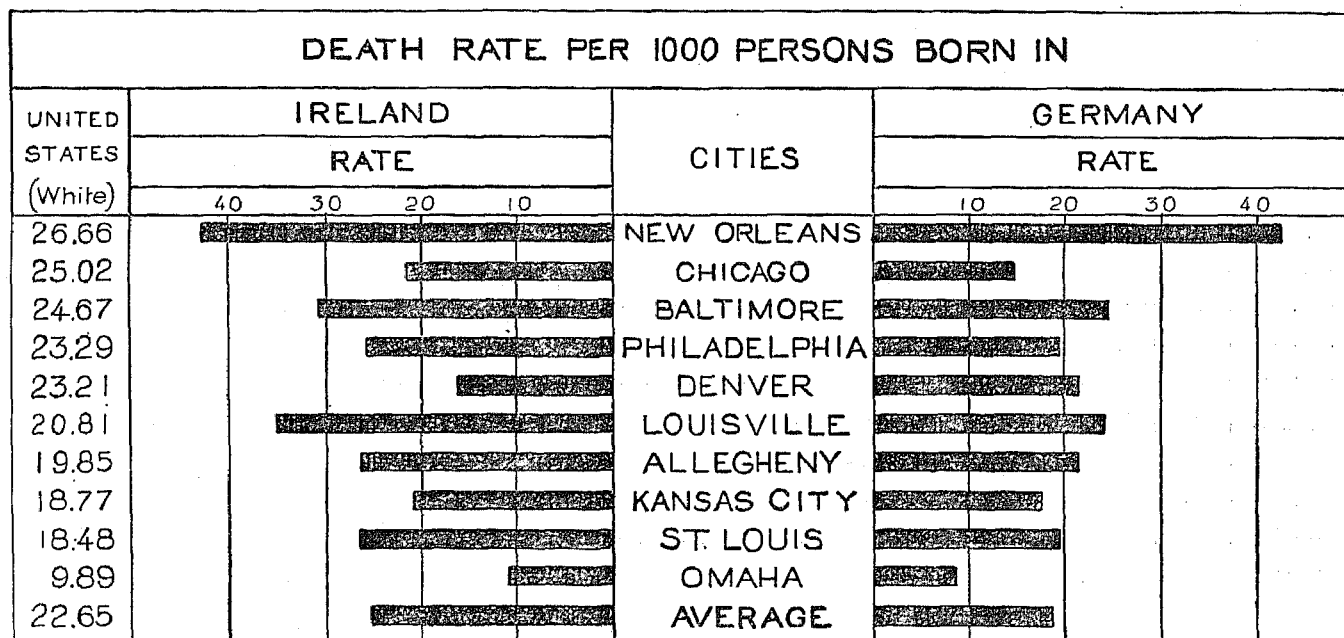
In 10 of the 28 cities, namely, Chicago, Philadelphia, St. Louis, Baltimore, New Orleans, Louisville, Omaha, Kansas city, Denver, and Allegheny, the only means of distinguishing the race of decedents is by their place of birth.

The following table shows for 10 cities and for their aggregate the death rates during the census year of those born in the specified countries per 1,000 of corresponding population:

CITIES.	BIRTHPLACES OF PERSONS.												
	United States. (White.)	England and Wales.	Ireland.	Scotland.	France.	Germany.	Russia and Poland.	Canada.	Scandinavia.	Hungary.	Bohemia.	Italy.	Other foreign countries.
Total.....	22.65	14.09	25.40	14.92	22.40	18.94	0.91	12.00	12.41	7.40	13.84	15.31	15.35
Allegheny	19.85	17.45	26.55	12.65	7.06	21.38	.....	12.42	7.41	8.21	10.71	44.12	16.47
Baltimore	24.67	22.60	31.00	30.03	21.23	24.39	4.41	15.86	11.55	0.13	21.03	8.50	15.03
Chicago	25.02	12.55	21.72	15.19	15.19	14.99	7.71	12.26	12.58	11.00	13.42	13.02	12.25
Denver	23.21	14.51	16.37	11.95	19.32	21.40	22.68	10.48	10.14	.....	31.75	23.03	12.31
Kansas city	18.77	8.32	20.97	9.77	23.26	17.84	2.75	12.63	13.51	7.00	22.22	21.23	12.06
Louisville	20.81	18.57	35.15	31.25	20.36	24.05	12.50	10.26	.....	.....	.....	34.00	24.28
New Orleans	26.06	30.33	42.91	55.50	33.03	42.60	43.96	28.90	43.96	.....	.....	17.95	44.31
Omaha	9.80	6.60	11.06	7.85	.....	8.70	1.76	5.12	7.61	.....	8.97	9.33	2.12
Philadelphia	23.29	13.92	26.03	12.43	13.73	19.74	4.97	12.00	9.66	2.95	5.20	15.15	10.70
St. Louis	18.48	15.07	26.78	22.03	10.89	19.85	6.03	13.45	21.62	10.70	19.00	12.86	19.29

It will be seen from this table that the death rate of persons born in Ireland was greater than that of persons born in any other country, while the lowest death rate was that of persons born in Russia and Poland. These death rates, however, depend so much upon the number of young children in the different classes that but little information can be obtained from them.

The following diagram shows for 10 cities and for their aggregate the relative death rates of those persons born in Ireland and of those who were born in Germany, the cities being arranged in the order of magnitude of the death rates of those who were born in the United States, which last rates are given in figures:



It will be seen from this diagram that the death rates of persons born in Ireland was greater than that of persons born in Germany, in the aggregate, and in every city except Denver.

These differences in the death rates of the people of different races in our large cities are indicated to some extent hereafter in the death rates in certain wards and districts of the several cities given in the descriptions of these cities.

CONJUGAL CONDITION.

As previously stated, the conjugal condition of decedents was not recorded in New Orleans, and was not separately compiled for Denver, Omaha, Providence, and Rochester. In addition to these places, this matter was imperfectly reported in Chicago, where the general practice appears to have been to report the conjugal condition only in case the decedent was married, widowed, or divorced, in consequence of which the greater portion of those remaining were necessarily classed as "unknown", it being impossible to distinguish the single.

For this reason the returns from the city of Chicago, as well as from the 5 other cities mentioned, are excluded in the following discussion, leaving 22 large cities to which the remarks and figures relate.

Of each 1,000 males 15 years of age and over living in 22 cities of 100,000 inhabitants and upward in the United States on June 1, 1890, 442.46 were single, 516.12 married, 37.88 widowed, 1.37 divorced, and the conjugal condition of 2.16 was unknown.

The corresponding ratios for the whole country were: single, 416.39; married, 540.58; widowed, 39.23; divorced, 2.36; unknown, 1.44.

The corresponding ratios for females 15 years of age and over in the 22 large cities were: single, 368.06; married, 502.90; widowed, 125.57; divorced, 2.50; unknown, 0.97, and for the whole country: single, 317.88; married, 567.97; widowed, 109.73; divorced, 3.66; unknown, 0.76. The proportion of single males and females in these cities was, therefore, above the average for the whole country.

CITIES OF 100,000 INHABITANTS AND UPWARD.

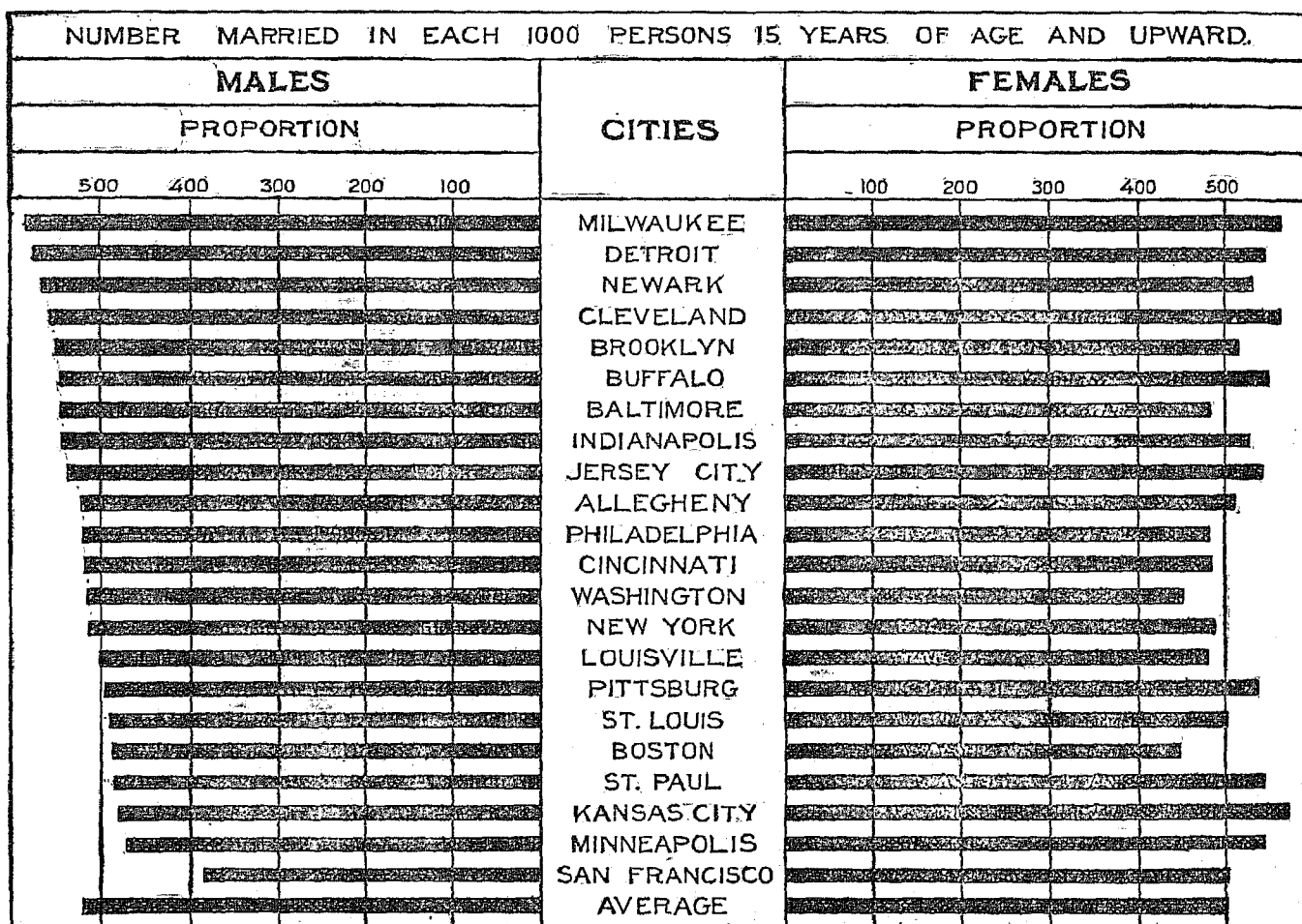
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The following table shows for 22 cities and for their aggregate the number of persons who were married or widowed per 1,000 population of corresponding ages, with distinction of sex, the cities being arranged in order of magnitude of population:

CITIES.	Sex.	MARRIED.			WIDOWED.		
		15 years and over.	15 to 45 years.	45 years and over.	15 years and over.	15 to 45 years.	45 years and over.
Total	Males	516.12	435.05	780.21	37.88	12.08	110.08
	Females	502.90	490.41	523.63	125.57	43.82	386.86
New York	Males	512.93	430.01	707.91	37.88	12.35	125.92
	Females	491.08	486.88	505.77	124.57	47.12	395.22
Philadelphia	Males	520.76	438.63	707.40	44.72	15.22	133.32
	Females	483.22	479.22	494.29	132.23	42.90	379.46
Brooklyn	Males	551.44	405.88	818.44	37.85	12.40	117.07
	Females	514.51	503.10	534.14	124.90	40.94	381.98
St. Louis	Males	493.39	411.47	704.40	37.31	12.73	118.66
	Females	505.89	499.62	527.17	134.10	49.90	420.03
Boston	Males	489.61	399.98	763.23	43.44	15.26	129.44
	Females	448.31	436.60	481.35	133.29	44.48	383.88
Baltimore	Males	544.01	456.83	796.26	41.90	14.09	121.24
	Females	482.75	480.41	480.29	142.75	49.25	404.94
San Francisco	Males	386.53	304.60	643.53	30.87	9.34	98.43
	Females	508.33	492.31	551.29	126.53	50.51	370.25
Cincinnati	Males	519.53	432.47	792.18	38.53	11.53	123.00
	Females	487.56	482.21	503.65	143.89	47.14	434.57
Cleveland	Males	558.77	477.69	824.74	30.02	10.11	101.72
	Females	565.50	556.35	595.51	104.91	32.44	342.52
Buffalo	Males	544.95	471.55	806.98	33.12	9.09	118.89
	Females	549.52	544.32	566.90	111.19	32.23	374.91
Pittsburg	Males	497.18	422.40	797.66	31.20	10.71	113.65
	Females	536.54	525.68	576.50	104.32	34.55	361.94
Washington	Males	513.03	414.40	748.58	43.05	14.11	114.21
	Females	450.45	442.64	472.90	157.62	65.66	422.61
Detroit	Males	574.79	488.37	844.98	32.65	9.98	103.51
	Females	544.82	529.14	597.54	106.19	33.12	352.01
Milwaukee	Males	584.21	505.53	841.50	31.97	8.97	107.21
	Females	566.41	549.08	627.04	94.51	26.60	332.14
Newark	Males	566.14	482.89	815.49	38.79	12.11	118.70
	Females	520.43	522.22	550.46	124.00	38.88	372.20
Minneapolis	Males	471.07	405.22	791.97	29.77	13.58	108.65
	Females	542.54	528.60	608.42	81.66	27.77	341.90
Jersey city	Males	538.91	454.81	817.19	30.13	14.19	121.04
	Females	540.86	529.77	577.75	117.02	41.64	367.85
Louisville	Males	501.35	409.18	793.97	40.84	15.86	120.16
	Females	470.83	496.61	483.83	157.64	61.66	452.27
St. Paul	Males	486.75	424.70	788.30	26.70	10.56	105.46
	Females	542.06	533.17	585.24	84.51	26.80	364.98
Kansas city	Males	483.60	417.55	775.00	33.44	13.90	119.65
	Females	574.80	572.79	584.55	104.31	49.11	372.61
Indianapolis	Males	541.37	449.94	812.05	39.72	15.95	110.23
	Females	525.99	514.05	564.67	129.88	52.32	381.23
Allegheny	Males	520.10	436.41	816.75	33.32	11.35	111.22
	Females	510.78	494.86	564.47	110.54	36.37	360.56

VITAL AND SOCIAL STATISTICS.

The following diagram shows for 22 cities the number of married in each 1,000 persons 15 years of age and upward, with distinction of sex, the cities being arranged in the order of magnitude of the ratio for males:

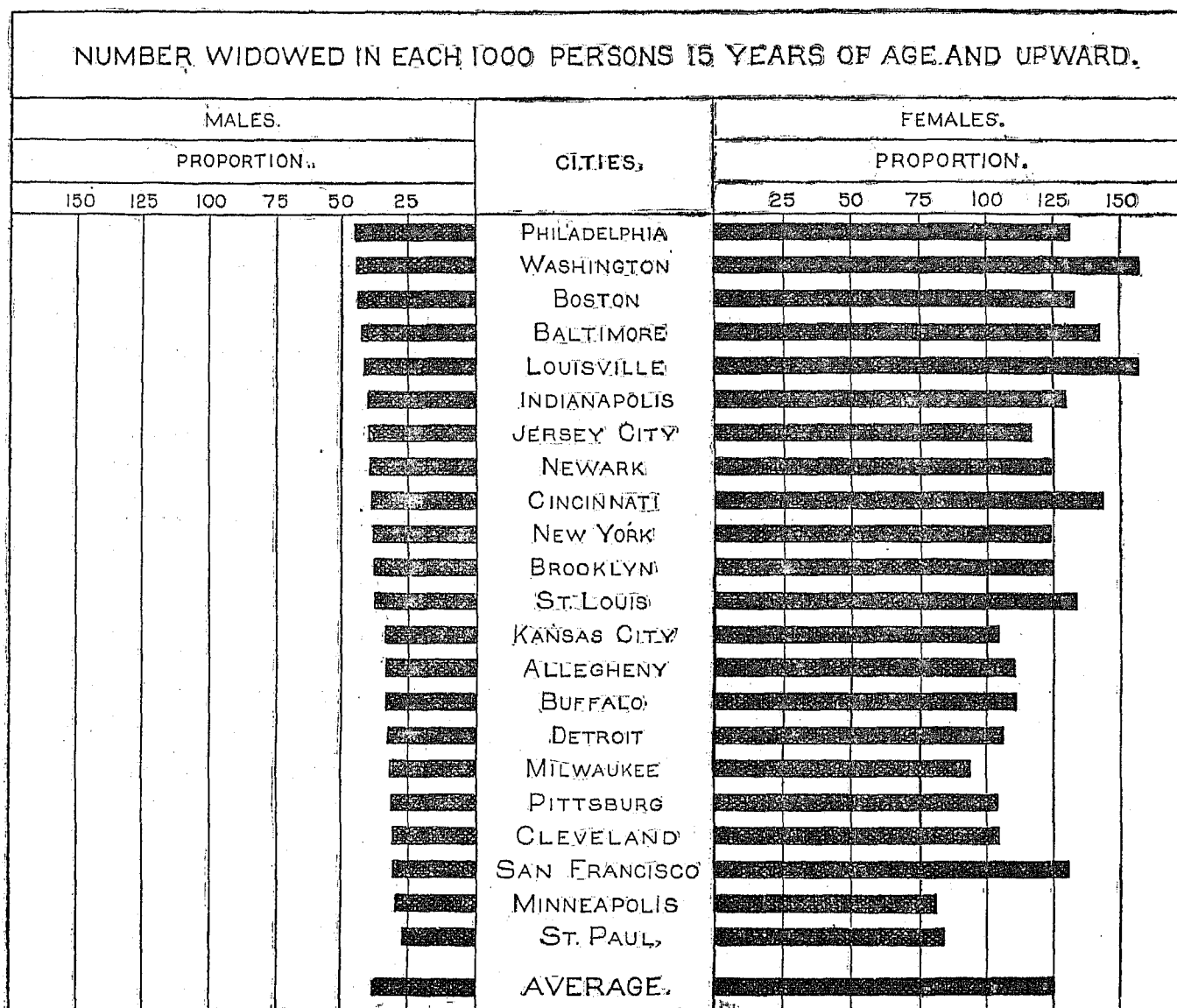


It will be seen from this diagram that there was no definite relation between the proportion of married males and that of married females in different cities. The greatest proportion of married males existed in Milwaukee (584.21), Detroit (574.79), Newark (566.14), and Cleveland (556.77), and the smallest proportion in San Francisco (386.53), Minneapolis (471.07), Kansas city (483.60), and St. Paul (486.75), while the greatest proportion of married females was in Kansas city (574.80), Milwaukee (566.41), Cleveland (565.50), and Buffalo (549.52), and the smallest proportion in Boston (448.31), Washington (450.45), Louisville (470.83), Baltimore (482.75), and Philadelphia (483.22).

CITIES OF 100,000 INHABITANTS AND UPWARD.

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The following diagram shows for 22 cities the number of widowed in each 1,000 persons 15 years of age and upward, by sex, the cities being arranged in the order of magnitude of the ratio for males:



The proportion of widowed males, 37.88, was much less than that of widowed females, 125.57. Among those between 15 and 45 years of age the proportion of widowed males was 12.68, of widowed females, 43.82; among those 45 years of age and over the proportion of widowed was, for males, 119.98, and for females, 386.86. There was no definite relation between the proportion of widowed males and widowed females in different cities, as will be seen from the above diagram.

The greatest proportion of widowed males existed in Philadelphia (44.72), Washington (43.65), Boston (43.44), Baltimore (41.90), and Louisville (40.84), and the smallest proportion in St. Paul (26.76), Minneapolis (29.77), San Francisco (30.87), and Cleveland (30.92), while the greatest proportion of widowed females was in Louisville (157.64), Washington (157.62), Cincinnati (143.89), Baltimore (142.75), and St. Louis (134.10), and the smallest proportion in Minneapolis (81.66), St. Paul (84.51), Milwaukee (94.51), and Detroit (106.19).

VITAL AND SOCIAL STATISTICS.

The following table shows for 22 cities and for their aggregate the death rates for the census year of the single, married, and widowed 15 years of age and over per 1,000 of population, with distinction of sex, color, and general nativity, the cities being arranged in order of magnitude of population:

CITIES.	Sex.	Conjugal condition.	15 YEARS OF AGE AND OVER.					CITIES.	Sex.	Conjugal condition.	15 YEARS OF AGE AND OVER.				
			Aggregate.	White.			Colored.				Aggregate.	White.			Colored.
				Total.	Native born.	Foreign born.						Total.	Native born.	Foreign born.	
Total	Males....	Single Married .. Widowed ..	13.74 10.44 61.50	13.29 10.24 62.04	11.45 16.05 49.75	17.50 21.91 70.33	21.02 23.61 53.53	Washington	Males....	Single Married .. Widowed ..	16.34 20.83 76.44	14.42 18.67 72.78	11.74 16.28 60.16	33.27 27.97 89.67	21.37 25.70 85.39
	Females..	Single Married .. Widowed ..	9.33 15.58 37.43	8.90 15.37 37.88	8.10 13.32 31.35	11.22 17.58 42.50	16.57 19.95 31.82		Females..	Single Married .. Widowed ..	10.61 14.49 37.20	8.10 12.16 35.18	7.18 11.26 32.96	18.24 16.57 41.83	15.45 19.49 40.30
New York	Males....	Single Married .. Widowed ..	17.50 22.47 87.38	17.34 22.33 87.66	15.21 20.32 72.80	20.58 23.25 93.08	24.74 30.30 77.66	Detroit	Males....	Single Married .. Widowed ..	10.36 14.72 16.54	10.03 14.70 16.63	9.08 11.80 9.08	11.55 16.31 20.10	20.07 15.88 13.89
	Females..	Single Married .. Widowed ..	10.34 17.99 49.66	10.23 17.90 49.92	8.84 16.62 40.73	12.25 18.76 53.60	16.12 19.71 58.85		Females..	Single Married .. Widowed ..	7.75 15.32 16.01	7.54 15.11 16.00	6.65 11.39 10.12	9.16 17.61 18.80	20.15 27.11 16.20
Philadelphia	Males....	Single Married .. Widowed ..	13.17 20.90 36.41	12.87 20.70 36.72	11.80 18.34 36.50	16.15 23.88 36.96	20.10 26.09 28.38	Milwaukee	Males....	Single Married .. Widowed ..	7.49 15.71 46.04	7.52 15.70 45.21	6.37 13.09 28.65	9.65 16.74 49.11	..... 21.61 285.71
	Females..	Single Married .. Widowed ..	10.29 18.23 27.01	10.00 18.12 27.34	9.49 15.88 28.02	11.54 21.78 26.60	16.84 21.01 21.76		Females..	Single Married .. Widowed ..	6.58 14.19 22.42	6.59 14.21 22.50	5.92 10.09 16.69	8.42 16.62 24.07	...............
Brooklyn	Males....	Single Married .. Widowed ..	13.66 20.48 79.49	13.68 20.36 79.48	12.51 16.84 58.50	16.55 23.93 91.99	12.42 29.08 80.54	Newark	Males....	Single Married .. Widowed ..	15.73 22.33 79.88	15.57 22.32 81.03	14.42 18.31 63.76	18.92 25.71 92.15	22.15 22.80 34.48
	Females..	Single Married .. Widowed ..	8.85 16.08 47.01	8.77 16.00 47.04	8.10 13.78 39.26	10.40 18.32 52.03	14.22 21.74 45.65		Females..	Single Married .. Widowed ..	10.82 16.73 48.45	10.68 16.42 48.79	10.24 15.84 39.95	12.14 17.04 55.37	15.00 29.02 80.15
St. Louis	Males....	Single Married .. Widowed ..	12.62 10.87 58.56	11.73 10.28 58.71	8.98 11.02 35.00	20.53 20.76 70.89	28.22 25.62 50.84	Minneapolis	Males....	Single Married .. Widowed ..	6.63 9.65 37.12	6.62 9.63 37.63	4.90 9.30 38.77	8.43 9.94 36.62	7.06 11.67
	Females..	Single Married .. Widowed ..	7.04 12.15 31.43	6.60 11.51 31.01	5.79 9.47 22.48	11.06 14.23 35.88	15.23 21.43 34.96		Females..	Single Married .. Widowed ..	6.48 9.81 22.33	6.51 9.69 22.67	6.72 9.36 10.05	6.21 10.05 24.60	...............
Boston	Males....	Single Married .. Widowed ..	14.44 21.60 55.84	14.28 21.50 56.44	13.09 19.25 43.33	16.05 23.76 59.13	20.99 22.42 23.81	Jersey city	Males....	Single Married .. Widowed ..	15.24 21.02 69.64	15.37 21.01 69.52	13.07 17.21 60.49	20.77 23.82 74.55	7.44 21.60 80.00
	Females..	Single Married .. Widowed ..	11.66 17.73 40.08	11.50 17.64 40.40	10.59 16.19 37.90	13.28 19.00 53.05	16.98 22.53 33.33		Females..	Single Married .. Widowed ..	10.38 17.21 40.15	10.30 17.26 39.94	8.00 14.60 35.18	15.52 19.71 42.30	15.03 13.70 51.28
Baltimore	Males....	Single Married .. Widowed ..	11.35 18.32 64.09	10.54 17.72 64.27	9.75 14.62 54.31	15.33 23.51 76.82	16.51 21.69 63.21	Louisville	Males....	Single Married .. Widowed ..	13.87 20.24 45.99	11.90 20.12 45.99	11.22 16.33 43.78	16.95 26.63 57.50	23.64 20.82 32.73
	Females..	Single Married .. Widowed ..	10.04 14.50 43.08	8.95 13.86 45.60	8.84 12.81 40.49	9.70 16.95 52.96	15.15 17.61 34.06		Females..	Single Married .. Widowed ..	11.63 15.52 24.05	9.13 14.15 24.50	8.31 10.51 19.41	17.19 23.60 30.38	23.37 21.39 22.32
San Francisco	Males....	Single Married .. Widowed ..	17.90 24.66 51.18	16.61 25.29 52.78	12.08 22.80 44.19	23.16 26.75 56.99	22.11 18.77 12.35	St. Paul	Males....	Single Married .. Widowed ..	7.67 9.59 39.97	7.54 9.60 39.94	6.69 8.88 27.50	8.49 10.06 46.32	15.15 8.72 41.67
	Females..	Single Married .. Widowed ..	7.24 17.85 21.13	7.15 17.83 21.04	5.95 14.80 19.02	10.39 20.30 22.14	11.75 18.70 27.32		Females..	Single Married .. Widowed ..	6.31 8.93 22.31	6.23 8.83 22.47	6.18 8.57 22.32	6.99 9.01 22.56	15.63 16.73 14.08
Cincinnati	Males....	Single Married .. Widowed ..	13.05 20.42 74.02	12.55 20.10 74.35	10.23 14.45 49.19	23.56 25.84 86.51	23.54 27.42 67.71	Kansas city	Males....	Single Married .. Widowed ..	10.30 12.46 8.53	9.48 11.81 7.78	6.74 10.33 2.94	21.07 15.74 17.18	17.41 18.44 13.89
	Females..	Single Married .. Widowed ..	7.90 13.71 33.12	7.45 13.53 33.06	6.45 11.30 24.91	13.47 16.91 38.49	21.00 17.64 25.05		Females..	Single Married .. Widowed ..	9.51 12.76 8.73	8.81 11.67 8.51	8.07 10.56 6.04	12.59 15.69 18.37	14.81 22.14 9.78
Cleveland	Males....	Single Married .. Widowed ..	11.11 14.90 56.87	10.76 14.77 57.31	10.05 12.78 53.59	10.96 15.88 59.12	30.94 25.80 35.71	Indianapolis	Males....	Single Married .. Widowed ..	10.20 14.28 54.92	9.13 13.99 58.18	8.02 12.69 49.53	18.15 17.40 74.83	21.14 17.98 32.20
	Females..	Single Married .. Widowed ..	7.45 11.31 39.09	7.32 11.26 39.19	6.70 9.82 32.62	8.90 12.33 42.91	10.23 15.93 33.90		Females..	Single Married .. Widowed ..	9.89 12.63 31.33	8.47 11.64 32.53	8.35 11.63 27.95	9.52 11.68 42.86	28.05 23.50 22.81
Buffalo	Males....	Single Married .. Widowed ..	9.85 15.40 77.74	9.71 15.44 76.98	8.88 11.68 81.02	11.70 18.02 75.29	34.65 7.91 166.67	Allegheny	Males....	Single Married .. Widowed ..	10.44 17.56 43.00	10.41 17.19 43.44	9.02 13.87 29.18	14.64 21.60 54.95	11.66 31.65 28.67
	Females..	Single Married .. Widowed ..	6.71 11.46 40.52	6.57 11.45 40.56	6.48 9.92 33.10	6.80 12.82 43.96	34.25 14.02 34.48		Females..	Single Married .. Widowed ..	7.58 14.49 28.05	7.50 14.51 29.03	7.01 10.05 21.46	9.57 21.25 36.24	11.54 13.95
Pittsburg	Males....	Single Married .. Widowed ..	12.40 16.91 49.54	12.25 16.77 51.40	9.12 13.14 39.35	19.15 19.54 57.95	15.11 20.52 14.49								
	Females..	Single Married .. Widowed ..	6.87 11.43 33.03	6.69 11.32 33.67	5.86 9.76 21.51	9.49 12.97 41.19	13.82 16.18 25.71								

The following table shows for 22 cities and for their aggregate the death rates for the census year of the single, married, and widowed from 15 to 45 years of age per 1,000 of population, with distinction of sex; color, and general nativity, the cities being arranged in order of magnitude of population:

CITIES.	Sex.	Conjugal condition.	15 TO 45 YEARS OF AGE.					CITIES.	Sex.	Conjugal condition.	15 TO 45 YEARS OF AGE.				
			Aggre- gate.	White.			Col- ored.				Aggre- gate.	White.			Col- ored.
				Total.	Na- tive born.	For- eign born.						Total.	Na- tive born.	For- eign born.	
Total	Males....	Single Married .. Widowed ..	11.73 11.40 29.02	11.32 11.14 29.02	10.48 10.50 24.45	13.38 11.81 35.27	18.51 16.18 28.98	Washington	Males....	Single Married .. Widowed ..	12.90 11.09 44.50	10.54 0.06 40.51	0.80 8.04 44.55	18.18 15.07 15.38	18.77 16.00 61.02
	Females ..	Single Married .. Widowed ..	7.48 11.50 14.09	7.12 11.23 14.14	7.01 10.95 12.44	7.42 11.90 16.41	14.78 16.57 13.74		Females ..	Single Married .. Widowed ..	0.32 12.15 14.55	0.48 0.61 13.70	5.80 0.20 13.40	14.13 11.84 15.43	14.54 16.88 15.31
New York	Males....	Single Married .. Widowed ..	14.72 14.59 56.15	14.55 14.42 55.48	13.95 15.48 52.20	15.51 13.84 58.17	22.46 23.35 80.29	Detroit	Males....	Single Married .. Widowed ..	8.48 7.26	8.20 7.23	8.22 0.95	8.41 7.42	17.70 8.83
	Females ..	Single Married .. Widowed ..	7.80 14.26 22.41	7.72 14.20 22.39	7.74 15.14 20.07	7.70 13.52 23.70	12.13 17.57 22.79		Females ..	Single Married .. Widowed ..	6.37 9.73 8.92	6.18 9.48 8.00	0.05 8.88 0.00	0.43 9.00 11.20	18.18 22.64
Philadelphia	Males....	Single Married .. Widowed ..	11.16 11.31 11.59	10.98 11.08 11.81	10.21 10.35 10.15	13.68 12.05 15.38	17.40 16.60 8.06	Milwaukee	Males....	Single Married .. Widowed ..	6.00 8.50 13.82	6.00 8.48 13.00	0.24 8.90 10.53	7.57 8.25 10.74	..... 16.13
	Females ..	Single Married .. Widowed ..	7.97 10.89 9.70	7.70 10.75 9.98	7.82 10.57 9.82	7.29 11.11 10.29	14.01 13.93 7.92		Females ..	Single Married .. Widowed ..	5.51 8.64 2.05	5.52 8.00 2.07	5.55 8.58 0.27	5.44 8.72 2.71	...............
Brooklyn	Males....	Single Married .. Widowed ..	12.18 12.21 43.97	12.18 12.08 43.84	11.71 10.55 35.04	13.41 13.67 53.48	11.90 21.50 72.73	Newark	Males....	Single Married .. Widowed ..	13.70 14.19 46.02	13.54 14.10 46.00	13.53 12.94 30.00	13.59 15.46 56.77	20.15 14.23
	Females ..	Single Married .. Widowed ..	6.80 12.35 15.42	6.78 12.32 15.57	7.00 11.79 13.20	5.97 12.98 18.31	13.71 13.00 12.41		Females ..	Single Married .. Widowed ..	8.72 13.33 13.98	8.55 13.00 14.88	8.05 14.20 0.16	8.21 11.44 21.14	15.01 25.04 8.20
St. Louis	Males....	Single Married .. Widowed ..	10.26 9.39 26.30	9.48 8.00 25.86	8.43 7.61 21.80	13.42 0.94 32.70	23.72 19.51 20.13	Minneapolis	Males....	Single Married .. Widowed ..	5.83 5.01 10.01	5.83 6.88 20.00	0.00 5.32 25.04	7.80 0.50 14.33	5.51 10.05
	Females ..	Single Married .. Widowed ..	6.10 9.50 12.28	5.74 8.86 11.25	5.61 8.62 9.80	6.54 9.37 13.07	13.94 18.50 16.03		Females ..	Single Married .. Widowed ..	5.80 9.09 10.52	5.02 8.91 10.80	0.00 8.84 8.52	5.70 0.00 14.20	..... 28.57
Boston	Males....	Single Married .. Widowed ..	12.59 13.05 17.40	12.46 12.90 17.38	12.10 12.39 15.45	13.21 13.58 19.08	17.21 15.57 18.18	Jersey city	Males....	Single Married .. Widowed ..	14.13 13.93 04.31	14.25 13.00 33.22	12.00 13.30 34.50	18.10 13.82 01.00	7.71 14.40 100.00
	Females ..	Single Married .. Widowed ..	9.11 13.42 17.09	9.02 13.41 17.96	8.50 13.11 13.33	0.81 13.70 22.74	15.34 13.83 11.00		Females ..	Single Married .. Widowed ..	8.80 14.03 13.00	8.78 14.01 14.02	7.06 12.50 10.30	11.51 15.83 17.70	16.53 13.12
Baltimore	Males....	Single Married .. Widowed ..	9.84 9.70 28.14	9.21 8.90 27.03	8.77 8.57 22.17	12.40 10.10 40.30	13.84 13.58 51.25	Louisville	Males....	Single Married .. Widowed ..	12.50 11.72 15.27	10.73 10.71 18.78	10.70 10.78 21.15	10.05 10.50 31.58	21.33 10.08 8.73
	Females ..	Single Married .. Widowed ..	7.75 10.00 12.84	6.55 9.78 12.04	6.03 10.05 12.70	5.80 8.83 9.02	13.26 16.30 14.47		Females ..	Single Married .. Widowed ..	10.18 9.00 0.24	8.18 8.00 0.02	7.70 8.08 0.21	12.03 11.20 5.88	20.03 15.40 0.67
San Francisco	Males....	Single Married .. Widowed ..	14.31 14.50 14.94	12.73 14.51 15.70	10.26 13.40 15.00	10.80 15.41 16.26	10.37 14.23	St. Paul	Males....	Single Married .. Widowed ..	7.07 5.14 14.08	0.97 5.10 14.40	0.31 5.20 9.00	7.73 5.10 18.78	13.02 3.02
	Females ..	Single Married .. Widowed ..	6.02 12.09 7.78	5.90 12.00 7.68	5.57 12.10 0.53	6.89 11.80 5.77	12.21 14.03 12.05		Females ..	Single Married .. Widowed ..	5.92 7.74 3.14	5.84 7.61 3.20	5.70 8.03 4.90	5.02 7.27 2.17	15.75 14.40
Cincinnati	Males....	Single Married .. Widowed ..	11.43 11.57 20.83	10.80 11.00 19.11	0.74 0.95 13.80	17.24 20.44 28.47	22.80 20.44 37.97	Kansas city	Males....	Single Married .. Widowed ..	8.03 8.00 5.03	7.73 8.23 2.03	0.29 7.90	14.28 9.23 10.43	10.41 12.18 10.23
	Females ..	Single Married .. Widowed ..	6.07 10.70 11.69	6.52 10.40 10.17	6.33 10.37 11.20	7.81 10.48 8.01	7.81 16.30 23.87		Females ..	Single Married .. Widowed ..	8.20 9.25 3.01	7.46 8.05 3.73	7.00 7.00 2.71	0.40 9.43 8.55	14.40 18.70 4.40
Cleveland	Males....	Single Married .. Widowed ..	10.10 8.30 15.87	9.80 8.29 16.37	10.39 8.50 5.05	8.85 8.16 20.70	28.12 8.83	Indianapolis	Males....	Single Married .. Widowed ..	9.30 8.82 24.83	8.41 7.97 27.47	7.61 8.40 20.23	15.57 8.40 33.00	18.40 12.04 12.00
	Females ..	Single Married .. Widowed ..	6.03 8.74 7.07	5.91 8.72 8.25	5.88 8.58 8.44	5.08 8.84 8.05	16.72 10.78		Females ..	Single Married .. Widowed ..	9.33 9.25 3.01	7.79 8.05 3.73	7.03 7.00 2.71	9.41 9.43 8.55	28.73 22.20 13.20
Buffalo	Males....	Single Married .. Widowed ..	8.03 7.91 26.36	8.50 7.89 26.02	8.18 8.40 27.11	9.24 7.38 26.02	30.93 10.93	Allegheny	Males....	Single Married .. Widowed ..	9.42 8.83 19.05	9.41 8.40 18.01	8.87 8.04 10.42	11.18 7.00 27.52	9.63 24.17 71.43
	Females ..	Single Married .. Widowed ..	5.83 8.33 17.35	5.67 8.29 10.57	5.93 6.68 20.85	4.93 7.84 11.10	35.21 16.30 86.06		Females ..	Single Married .. Widowed ..	9.76 11.40 12.48	9.00 10.43 12.27	6.31 10.59 11.20	8.23 9.58 10.23	11.00 11.43
Pittsburg	Males....	Single Married .. Widowed ..	11.45 10.20 19.42	11.24 10.08 21.37	8.82 9.81 14.60	16.83 10.33 28.66	15.31 13.01								
	Females ..	Single Married .. Widowed ..	5.92 9.06 12.27	5.83 8.80 11.21	5.21 8.81 10.70	8.01 8.79 11.97	9.52 16.00 24.24								

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The following table shows for 22 cities and for their aggregate the death rates for the census year of the single, married, and widowed 45 years of age and over per 1,000 of corresponding population, with distinction of sex, color, and general nativity, the cities being arranged in order of magnitude of population:

CITIES.	Sex.	Conjugal condition.	45 YEARS OF AGE AND OVER.					CITIES.	Sex.	Conjugal condition.	45 YEARS OF AGE AND OVER.				
			Aggregate.	White.			Colored.				Aggregate.	White.			Colored.
				Total.	Native born.	Foreign born.						Total.	Native born.	Foreign born.	
Total	Males....	Single Married .. Widowed ..	51.57 34.05 72.80	50.99 33.74 72.97	42.07 30.08 63.77	57.80 35.80 77.82	59.05 41.91 69.12	Washington	Males....	Single Married .. Widowed ..	51.96 32.92 85.85	48.54 29.90 80.71	30.80 27.62 72.85	59.41 35.91 97.05	70.00 41.01 100.20
	Females..	Single Married .. Widowed ..	40.92 27.94 45.88	40.43 27.67 45.90	35.02 24.11 41.51	45.88 29.75 48.38	52.25 36.49 45.52		Females..	Single Married .. Widowed ..	28.56 20.79 47.33	26.26 18.10 42.33	24.14 16.75 40.04	34.39 21.76 40.03	37.95 23.80 57.19
New York	Males....	Single Married .. Widowed ..	63.07 38.00 97.95	62.29 37.83 98.28	54.09 34.75 85.90	76.50 38.77 102.20	59.04 51.37 75.89	Detroit	Males....	Single Married .. Widowed ..	73.53 28.21 21.53	69.74 28.19 21.51	62.02 24.97 13.92	71.90 29.38 24.25	101.20 28.93 22.22
	Females..	Single Married .. Widowed ..	52.92 30.55 60.87	52.46 30.51 61.01	42.74 25.40 50.14	57.13 32.07 62.44	75.00 34.01 55.00		Females..	Single Married .. Widowed ..	52.13 31.97 18.44	51.00 31.79 18.29	36.07 23.07 12.85	63.11 35.22 20.58	83.33 44.78 23.80
Philadelphia.....	Males....	Single Married .. Widowed ..	47.93 37.35 44.92	47.23 36.92 44.99	50.25 35.24 49.43	43.57 38.53 41.18	62.10 52.29 42.74	Milwaukee	Males....	Single Married .. Widowed ..	38.34 20.88 54.85	38.00 20.87 53.06	21.43 16.67 46.39	44.03 28.89 54.08	..... 82.20 (a)
	Females..	Single Married .. Widowed ..	35.24 37.91 32.41	34.43 37.45 32.44	33.29 34.38 35.40	35.98 40.54 29.68	61.06 58.36 31.64		Females..	Single Married .. Widowed ..	54.51 31.18 27.88	54.97 31.21 27.06	42.42 25.69 28.29	61.69 32.95 27.90	...............
Brooklyn	Males....	Single Married .. Widowed ..	52.15 35.16 91.29	53.00 35.01 91.87	46.66 29.04 71.94	58.13 38.22 100.33	19.42 50.19 85.11	Newark	Males....	Single Married .. Widowed ..	65.10 36.78 90.35	65.85 36.68 91.38	49.76 30.99 76.14	80.17 40.14 99.14	48.78 40.80 47.02
	Females..	Single Married .. Widowed ..	41.79 26.95 57.87	42.08 26.67 57.10	34.81 23.30 52.23	48.31 29.10 59.04	22.73 56.18 71.57		Females..	Single Married .. Widowed ..	47.11 26.13 58.95	47.40 25.80 58.85	48.34 22.44 53.11	46.33 27.92 62.47	33.33 44.87 62.50
St. Louis.....	Males....	Single Married .. Widowed ..	52.89 30.17 70.01	49.06 29.56 69.47	32.72 24.10 45.82	57.33 31.47 77.36	120.88 43.10 78.07	Minneapolis	Males....	Single Married .. Widowed ..	31.44 18.96 47.78	30.93 18.97 48.28	40.82 19.25 47.63	24.22 18.72 48.90	62.50 17.24
	Females..	Single Married .. Widowed ..	34.94 20.50 39.15	34.02 19.76 38.07	17.21 16.09 38.21	45.70 21.12 39.84	49.02 38.30 52.21		Females..	Single Married .. Widowed ..	36.27 12.84 26.97	36.36 12.91 27.17	40.72 11.77 23.07	30.49 14.01 30.63	...............
Boston.....	Males....	Single Married .. Widowed ..	46.33 35.29 69.68	45.51 35.21 70.27	33.00 30.91 70.06	62.43 38.90 70.42	77.67 40.00 28.17	Jersey city	Males....	Single Married .. Widowed ..	47.80 34.05 83.28	48.08 34.56 83.44	34.25 28.07 78.43	57.69 37.54 85.51	..... 48.10 66.07
	Females..	Single Married .. Widowed ..	39.99 28.77 55.36	40.07 28.34 55.40	35.71 24.60 47.49	45.74 31.52 61.20	32.79 67.80 50.31		Females..	Single Married .. Widowed ..	50.22 26.80 50.15	51.28 26.08 49.55	42.80 25.62 52.26	56.05 27.58 48.53	..... 17.54 93.76
Baltimore.....	Males....	Single Married .. Widowed ..	39.67 32.33 76.01	35.84 31.28 74.74	34.42 27.89 09.06	38.69 31.97 80.21	61.22 39.89 84.34	Louisville.....	Males....	Single Married .. Widowed ..	44.85 34.18 58.80	39.10 34.73 61.19	32.41 31.24 57.73	46.34 37.45 63.83	67.06 30.80 40.84
	Females..	Single Married .. Widowed ..	39.11 24.27 53.39	37.90 24.19 54.93	40.48 23.11 51.85	30.49 25.39 58.50	46.28 24.90 46.35		Females..	Single Married .. Widowed ..	47.01 31.97 31.57	33.59 29.23 30.55	28.71 22.25 26.76	42.19 35.24 33.70	100.02 50.45 35.28
San Francisco.....	Males....	Single Married .. Widowed ..	48.95 39.76 61.90	48.57 39.88 63.70	42.89 42.28 57.30	50.96 38.93 60.36	50.49 37.23 17.09	St. Paul.....	Males....	Single Married .. Widowed ..	24.07 21.25 52.57	23.20 21.16 52.20	27.27 21.78 42.92	21.70 20.89 55.04	83.33 20.41 70.92
	Females..	Single Married .. Widowed ..	32.68 34.36 26.97	33.24 34.23 26.81	31.88 29.20 26.80	33.65 30.13 27.02	44.30 44.30 40.00		Females..	Single Married .. Widowed ..	25.72 14.22 29.15	25.81 14.06 29.16	31.25 12.43 31.64	21.08 14.70 27.00	..... 43.48 28.57
Cincinnati.....	Males....	Single Married .. Widowed ..	47.28 35.55 89.61	47.95 35.17 89.66	32.88 31.98 75.59	57.73 36.38 94.07	36.04 48.04 88.50	Kansas city	Males....	Single Married .. Widowed ..	53.86 21.51 10.82	53.99 19.97 10.47	24.23 10.65 4.82	87.94 26.43 18.69	47.06 42.07 8.93
	Females..	Single Married .. Widowed ..	30.03 22.35 40.11	29.70 22.27 40.80	12.33 17.73 35.44	42.73 21.11 42.70	40.00 25.72 25.97		Females..	Single Married .. Widowed ..	72.80 29.45 11.82	70.80 28.01 11.17	70.51 25.69 9.35	98.59 33.03 14.70	29.41 50.01 10.04
Cleveland.....	Males....	Single Married .. Widowed ..	89.66 27.92 70.73	88.57 27.49 70.07	26.11 24.89 83.18	45.08 28.49 66.49	66.07 67.42 57.14	Indianapolis.....	Males....	Single Married .. Widowed ..	30.40 24.05 67.83	25.77 23.79 70.27	20.62 22.90 62.62	36.98 25.03 81.15	67.67 27.21 46.73
	Females..	Single Married .. Widowed ..	47.02 19.17 48.76	46.61 19.00 48.01	38.54 15.78 44.77	55.43 20.37 50.37	76.92 39.60 58.25		Females..	Single Married .. Widowed ..	26.89 15.97 39.71	28.42 15.11 40.48	33.90 15.69 37.13	10.87 14.18 46.00	..... 29.13 82.05
Buffalo.....	Males....	Single Married .. Widowed ..	42.11 31.02 91.77	41.60 31.16 90.70	43.12 23.78 117.17	43.16 33.80 83.04	125.00 222.22	Allegheny.....	Males....	Single Married .. Widowed ..	41.10 34.08 51.66	41.24 33.74 52.94	10.13 25.77 40.37	59.07 39.13 00.01	38.40 48.05
	Females..	Single Married .. Widowed ..	37.29 31.19 60.96	39.11 30.82 62.26	22.07 23.71 55.45	52.22 34.18 64.98	10.75 44.69 27.78		Females..	Single Married .. Widowed ..	25.13 30.07 34.54	25.47 30.16 35.53	25.64 22.51 28.08	25.13 30.16 40.96	..... 25.00
Pittsburg.....	Males....	Single Married .. Widowed ..	37.29 31.19 60.96	39.11 30.82 62.26	22.07 23.71 55.45	52.22 34.18 64.98	10.75 44.69 27.78								
	Females..	Single Married .. Widowed ..	32.86 19.58 40.32	29.88 19.03 40.76	29.25 14.79 28.05	30.77 22.26 47.02	142.86 17.34 27.03								

a Population and deaths 2 each; death rate 1,000.00, and of no significance.

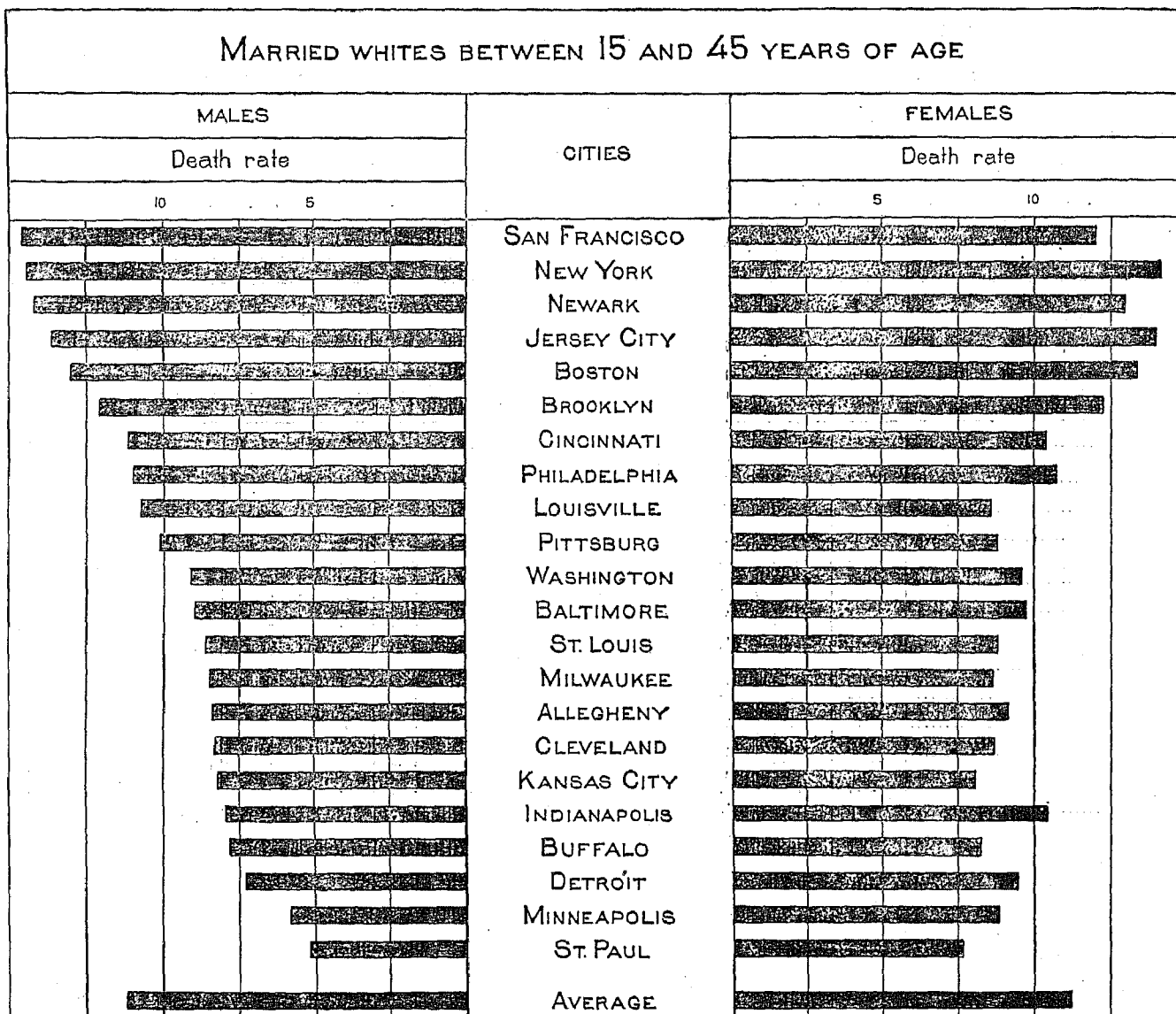
It will be seen from the preceding tables that while the death rates of the married were greater than those of the single for the aggregate of those 15 years of age and over, the death rates of the single were slightly greater than those of the married for the total from 15 to 45 years of age and much greater than those of the married for those 45 years of age and over.

The death rates in males were greater among the married than among the single for those 15 to 25 years of age. Above the age of 25 the death rates were uniformly greater among the single than among the married. In females the death rates of the married were greater than those of the single for those under 35 years of age. Above the age of 35 the death rates of the single were, for every group, greater than those of the married. The death rates of the widowed were, at all ages, much greater than those of the married or of the single.

The following table shows for 22 cities and for their aggregate the relative death rates of the single and married whites, by certain age periods, per 1,000 of corresponding population, with distinction of sex, the cities being arranged in order of magnitude of population:

CITIES.	15 YEARS OF AGE AND OVER.				15 TO 45 YEARS OF AGE.				45 YEARS OF AGE AND OVER.			
	Males.		Females.		Males.		Females.		Males.		Females.	
	Single.	Married.	Single.	Married.	Single.	Married.	Single.	Married.	Single.	Married.	Single.	Married.
Total.....	13.20	19.24	8.96	15.37	11.32	11.14	7.12	11.23	50.00	33.74	40.43	27.07
New York.....	17.34	22.33	10.23	17.06	14.55	14.42	7.72	14.20	08.20	07.80	62.40	00.51
Philadelphia.....	12.87	20.70	10.00	18.12	10.88	11.08	7.70	10.75	47.23	30.02	34.43	37.45
Brooklyn.....	13.68	20.36	8.77	10.00	12.18	12.08	6.78	12.33	53.00	35.01	42.08	20.87
St. Louis.....	11.73	16.28	6.60	11.51	0.48	8.60	5.74	8.86	40.00	20.56	34.02	19.70
Boston.....	14.28	21.59	11.59	17.04	12.46	12.09	9.03	13.41	46.51	35.21	40.07	28.34
Baltimore.....	10.54	17.72	8.95	13.86	9.21	8.99	6.55	9.78	35.84	31.28	37.06	24.10
San Francisco.....	16.01	25.29	7.15	17.83	12.73	14.54	5.00	12.00	48.57	30.88	33.24	34.23
Cincinnati.....	12.55	20.10	7.45	13.53	10.89	11.09	6.52	10.40	47.05	35.17	29.70	22.27
Cleveland.....	10.70	14.77	7.32	11.20	9.86	8.29	5.91	8.72	39.57	27.49	46.01	19.00
Buffalo.....	9.71	15.44	6.57	11.45	8.50	7.89	5.67	8.29	41.00	31.10	20.06	21.50
Pittsburg.....	12.25	16.77	6.09	11.32	11.24	10.08	5.83	8.80	30.11	30.82	20.88	19.63
Washington.....	14.42	18.67	8.10	12.16	10.54	9.06	6.48	9.61	48.54	20.00	20.20	18.10
Detroit.....	10.03	14.70	7.54	15.11	8.20	7.23	6.18	8.48	60.74	28.10	51.00	31.70
Milwaukee.....	7.52	15.70	6.59	14.21	6.09	8.48	5.52	8.00	38.00	29.87	51.07	31.21
Newark.....	15.57	22.32	10.08	16.42	13.54	14.10	8.55	13.00	05.85	30.68	47.46	25.80
Minneapolis.....	6.62	0.63	6.51	9.69	5.83	5.88	5.92	8.91	30.03	18.07	30.30	12.91
Jersey city.....	15.37	21.01	10.30	17.20	14.25	13.60	8.78	14.04	48.68	34.50	51.28	20.88
Louisville.....	11.90	20.12	9.13	14.15	10.78	10.71	8.18	8.00	80.10	04.73	33.69	20.23
St. Paul.....	7.54	9.00	6.23	8.83	6.07	5.16	5.84	7.04	23.20	21.10	25.81	14.06
Kansas city.....	9.48	11.81	8.81	11.07	7.73	8.22	7.46	8.05	53.09	19.07	79.80	28.01
Indianapolis.....	9.13	13.09	8.47	11.64	8.41	7.97	7.79	10.43	25.77	23.70	28.42	15.11
Allegheny.....	10.41	17.19	7.50	14.51	0.41	8.40	6.06	9.10	41.24	33.74	25.47	30.10

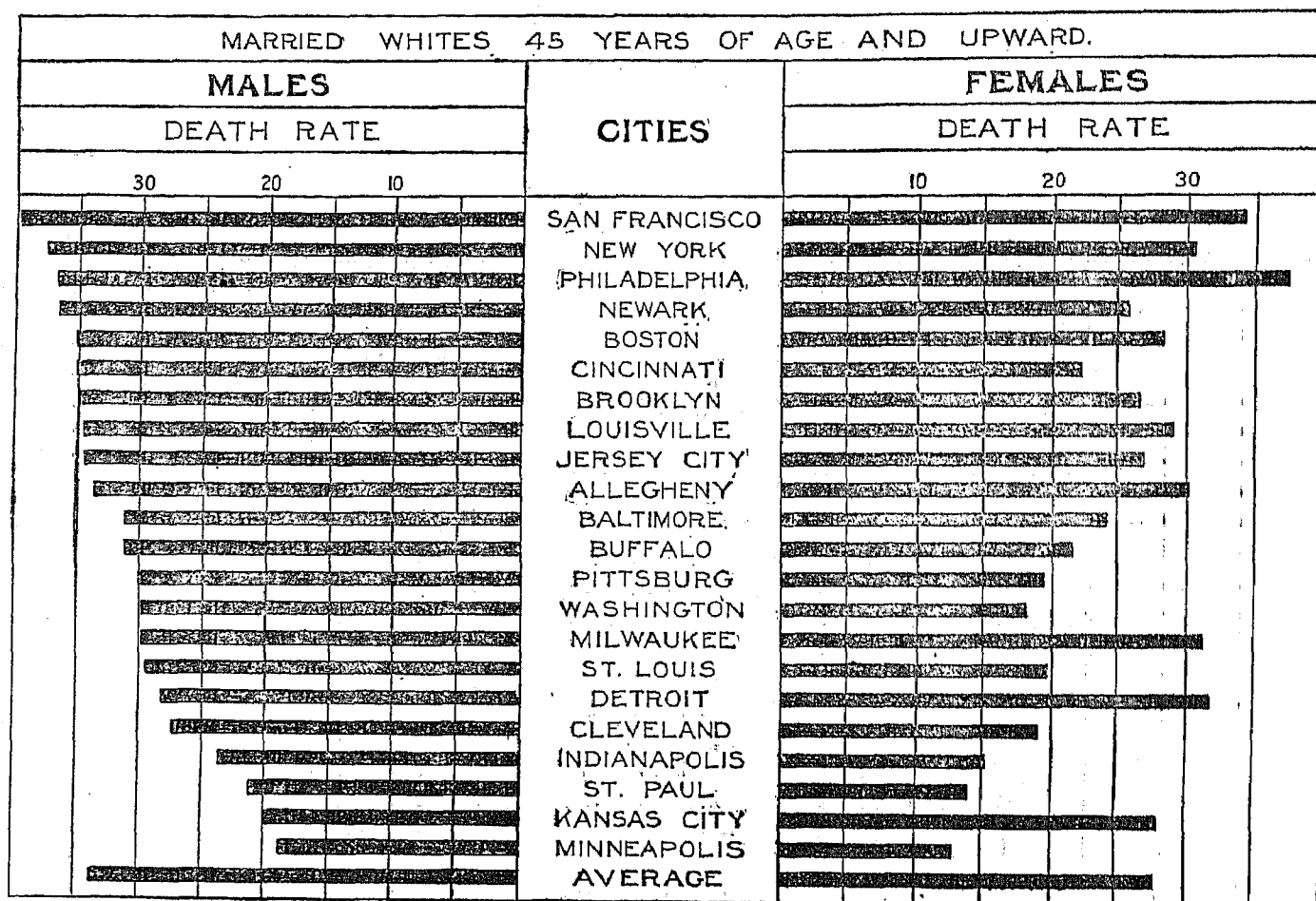
The relative death rates of married whites of each sex between 15 and 45 years of age per 1,000 of corresponding population are shown by the following diagram:



It will be seen from this diagram that among the married whites from 15 to 45 years of age the death rates of the males were greatest in San Francisco (14.54), New York (14.42), Newark (14.19), Jersey city (13.60), and Boston (12.99), and lowest in St. Paul (5.16), Minneapolis (5.88), Detroit (7.23), Buffalo (7.89), and Indianapolis (7.97) per 1,000 of population of that class.

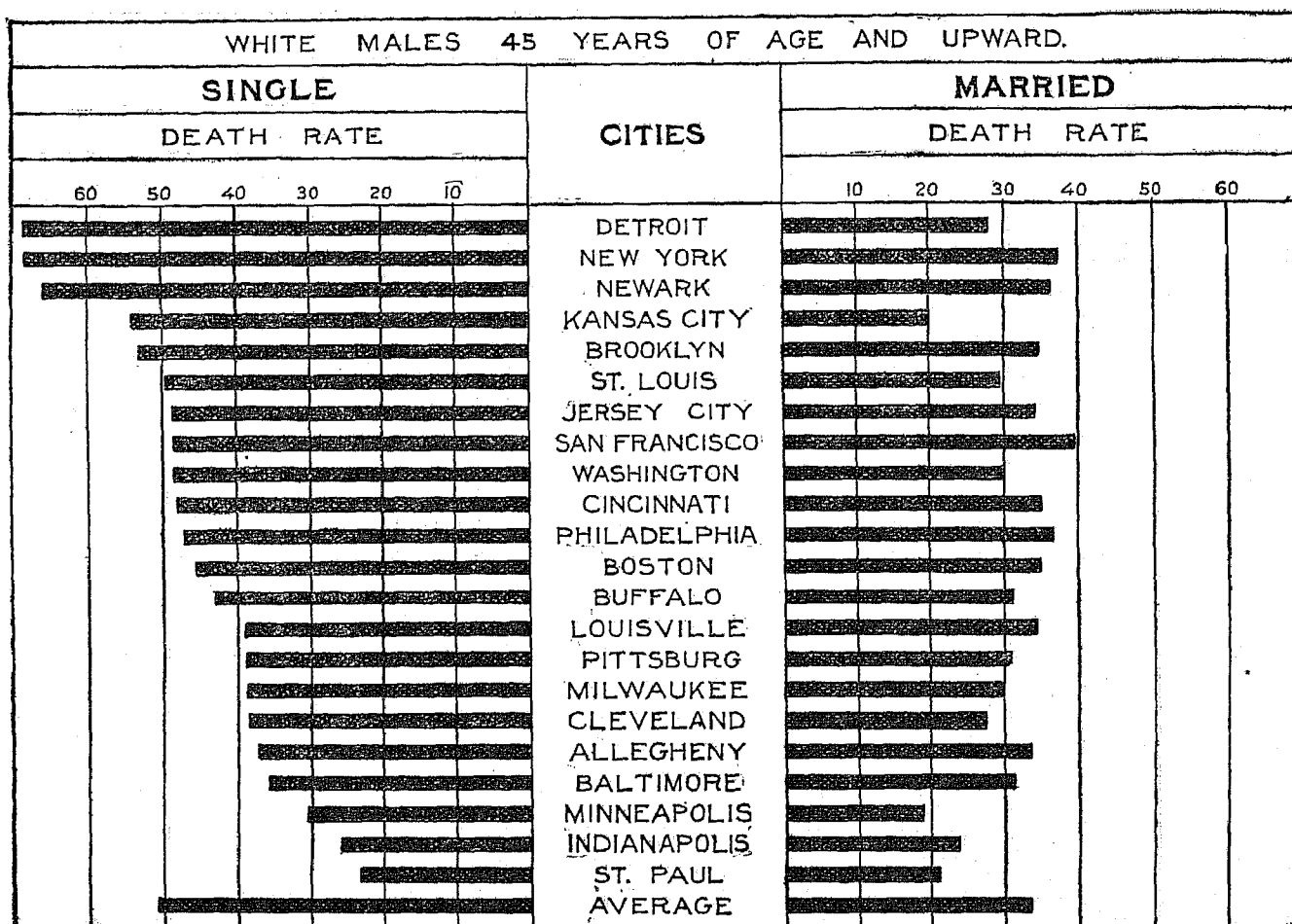
The death rates of married white females from 15 to 45 years of age, 11.23, were slightly greater than those of the married white males of the same age group, 11.14, but the relative proportions vary considerably in the different cities.

The relative death rates of married whites of each sex 45 years of age and upward per 1,000 of corresponding population are shown by the following diagram:



VITAL AND SOCIAL STATISTICS.

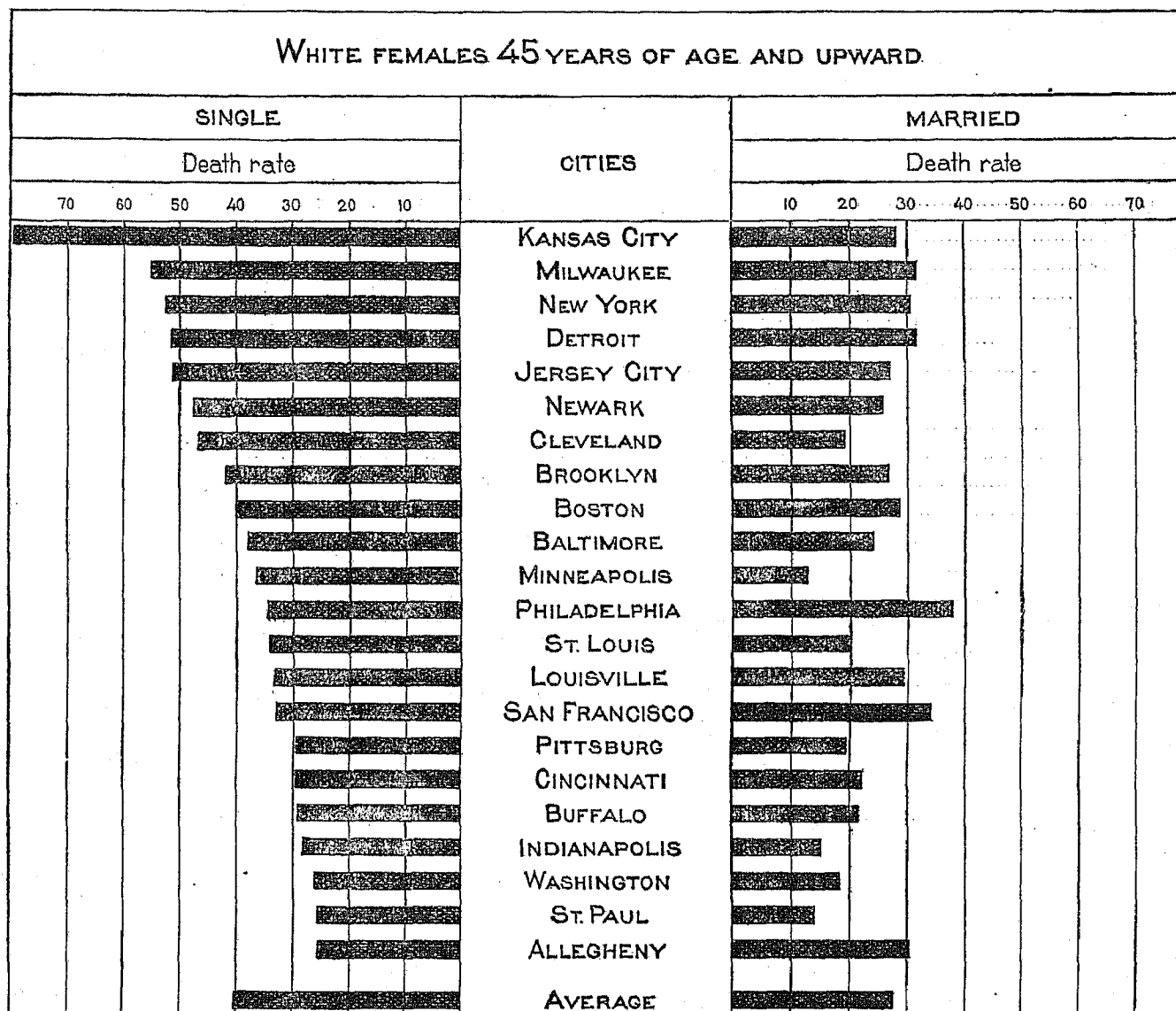
The relative death rates of the single and the married white males 45 years of age and upward per 1,000 of corresponding population are shown by the following diagram:



It will be seen from this diagram that among the white males 45 years of age and over the death rate of the single was greater than that of the married in each city, but that there is no correspondence in the relative proportion of the death rates between the single and the married in this group in the different cities.

The death rates of the single white males 45 years of age and over were greatest in Detroit (69.74), in New York (68.29), in Newark (65.85), in Kansas city (53.99), and in Brooklyn (53.00), while among the married males of this age group they were greatest in San Francisco (39.88), New York (37.83), Philadelphia (36.92), Newark (36.68), and Boston (35.21), and lowest in the single white males 45 years of age and over in St. Paul (23.20), Indianapolis (25.77), Minneapolis (30.93), and Baltimore (35.84), and among the married white males 45 years of age and over it was lowest in Minneapolis (18.97), Kansas city (19.97), St. Paul (21.16), Indianapolis (23.79), and Cleveland (27.49).

The relative death rates of the single and the married white females 45 years of age and upward per 1,000 of corresponding population are shown by the following diagram:



It will be seen by this diagram that the death rates among the white females 45 years of age and over were greater among the single than among the married in every city except Philadelphia, San Francisco, and Allegheny. The highest death rates among the single white females in this age group were in Kansas city (79.30), Milwaukee (54.97), New York (52.46), Detroit (51.60), and Jersey city (51.28), and the lowest in Allegheny (25.47), St. Paul (25.81), Washington (26.26), Indianapolis (28.42), and Buffalo (29.36). Among the married white females 45 years of age and over the death rates were greatest in Philadelphia (37.45), San Francisco (34.23), Detroit (31.79), Milwaukee (31.21), New York (30.51), and Allegheny (30.16), and were the lowest in Minneapolis (12.91), St. Paul (14.06), Indianapolis (15.11), Washington (18.10), and Pittsburg (19.63).

VITAL AND SOCIAL STATISTICS.

The following table shows for 22 cities and for their aggregate the relative death rates of the single and married colored, by certain age periods, per 1,000 of corresponding population, with distinction of sex, the cities being arranged in order of magnitude of population:

CITIES.	15 YEARS OF AGE AND OVER.				15 TO 45 YEARS OF AGE.				45 YEARS OF AGE AND OVER.			
	Males.		Females.		Males.		Females.		Males.		Females.	
	Single.	Married.	Single.	Married.	Single.	Married.	Single.	Married.	Single.	Married.	Single.	Married.
Total.....	21.02	23.61	16.57	19.95	18.51	16.18	14.78	16.57	59.05	41.91	52.25	30.40
New York.....	24.74	30.30	16.12	19.71	22.46	23.35	12.13	17.57	59.94	51.37	75.00	34.01
Philadelphia.....	23.10	26.09	16.84	21.01	17.40	16.50	14.01	13.93	62.19	53.20	61.66	58.36
Brooklyn.....	12.42	29.08	14.22	21.74	11.99	21.50	13.71	13.90	19.42	50.19	22.73	58.18
St. Louis.....	28.22	25.62	15.23	21.43	23.72	19.51	13.94	18.50	120.88	43.10	40.02	38.30
Boston.....	20.39	22.42	16.36	22.53	17.21	15.57	15.34	13.83	77.07	40.00	32.79	67.39
Baltimore.....	16.51	21.69	15.15	17.01	13.84	13.53	13.26	16.39	61.22	39.89	46.28	24.90
San Francisco.....	22.11	18.77	11.75	18.70	19.37	14.23	12.21	14.93	50.40	37.23	.....	41.30
Cincinnati.....	23.54	27.42	21.06	17.64	22.80	20.44	20.29	16.36	36.04	48.04	40.00	35.72
Cleveland.....	30.94	25.36	10.23	15.99	23.12	8.83	16.72	10.78	66.67	67.42	70.92	39.69
Buffalo.....	31.65	7.91	34.25	14.02	30.93	10.93	35.21	16.30	125.00	.....	.....	.....
Pittsburg.....	15.11	20.52	13.82	16.18	15.31	13.01	9.52	16.00	10.75	44.69	142.86	17.34
Washington.....	21.37	25.70	15.45	19.40	18.77	16.60	14.54	16.88	70.06	41.61	37.95	28.80
Detroit.....	26.07	15.83	20.15	27.11	17.79	8.83	18.18	22.64	161.29	28.93	83.93	44.78
Milwaukee.....	.....	21.51	.....	.....	.....	16.13	.....	.....	.....	52.26	.....	.....
Newark.....	22.15	22.86	15.99	29.02	20.15	14.23	15.01	25.34	48.78	40.89	93.33	44.87
Minneapolis.....	7.96	11.67	.....	24.50	.....	10.05	.....	28.57	62.50	17.24	.....	.....
Jersey city.....	7.44	21.69	15.63	13.70	5.54	7.71	14.49	16.53	13.12	43.10	.....	17.54
Louisville.....	23.64	20.82	23.87	21.82	21.33	16.08	20.03	15.46	67.00	30.89	100.92	50.45
St. Paul.....	15.15	8.72	15.63	16.72	13.02	8.62	15.75	14.49	83.33	29.41	.....	43.48
Kansas city.....	17.41	18.44	14.51	22.14	16.41	12.18	14.40	18.76	47.00	42.07	20.41	50.91
Indianapolis.....	21.14	17.38	28.05	23.50	18.49	12.04	28.73	22.29	67.57	27.21	.....	29.13
Allegheny.....	11.66	31.65	11.54	13.95	9.93	24.17	11.90	11.43	38.40	48.95	.....	25.00

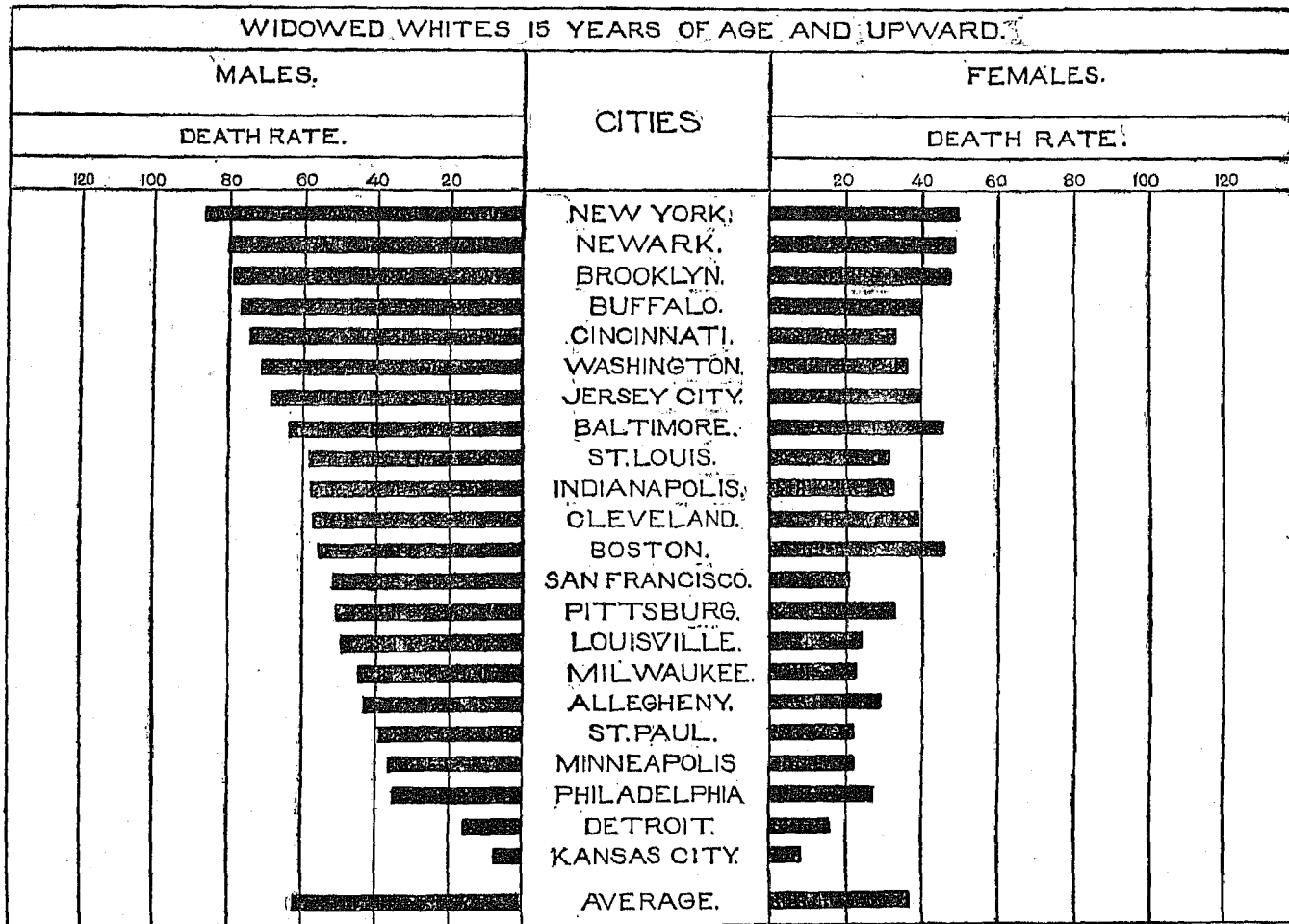
The following table shows for 22 cities and for their aggregate the relative death rates of the widowed, by certain age periods, per 1,000 of corresponding population, with distinction of color and sex, the cities being arranged in order of magnitude of population:

CITIES.	15 YEARS OF AGE AND OVER.				15 TO 45 YEARS OF AGE.				45 YEARS OF AGE AND OVER.			
	White.		Colored.		White.		Colored.		White.		Colored.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Total.....	62.04	37.88	53.53	31.82	29.02	14.14	28.98	13.74	72.97	45.90	69.12	45.52
New York.....	87.56	49.92	77.56	58.85	55.48	22.39	80.20	22.79	98.23	61.01	75.80	65.00
Philadelphia.....	35.72	27.34	23.38	21.76	11.81	9.98	8.06	7.92	44.69	32.44	42.74	31.04
Brooklyn.....	79.48	47.04	80.54	45.65	43.84	15.57	72.73	12.41	91.87	57.10	85.11	71.67
St. Louis.....	58.71	31.01	56.84	34.90	25.80	11.25	29.13	16.93	69.47	38.07	78.07	52.21
Boston.....	56.44	46.40	23.81	33.33	17.38	17.96	18.18	11.90	70.27	55.46	28.17	50.31
Baltimore.....	64.27	45.60	63.21	34.06	27.03	12.04	31.25	14.47	74.74	54.93	84.34	40.85
San Francisco.....	52.78	21.04	12.35	27.32	15.70	7.68	.....	12.06	63.70	20.81	17.00	40.69
Cincinnati.....	74.35	33.66	67.71	25.05	19.11	10.17	37.97	23.87	89.66	40.80	88.50	26.67
Cleveland.....	57.81	39.19	35.71	33.90	16.37	8.25	.....	.....	70.07	48.61	57.14	58.25
Buffalo.....	76.98	40.56	166.67	34.48	26.62	16.57	.....	86.96	90.70	47.40	222.22	.....
Pittsburg.....	51.49	33.37	14.40	25.71	21.37	11.21	.....	24.24	62.26	40.76	27.78	27.09
Washington.....	72.78	35.18	85.39	40.96	40.51	13.76	51.02	15.31	80.71	42.33	100.20	57.13
Detroit.....	16.63	16.00	13.89	16.20	.....	8.69	.....	.....	21.51	18.29	22.22	23.39
Milwaukee.....	45.21	22.50	285.71	.....	13.99	2.97	.....	.....	53.60	27.06	1,000.00	.....
Newark.....	81.03	48.79	34.48	39.15	46.99	14.38	.....	8.26	91.88	58.85	47.02	62.60
Minneapolis.....	37.63	22.67	.....	.....	20.00	10.89	.....	.....	48.23	27.17	.....	.....
Jersey city.....	69.52	59.94	80.00	51.28	33.22	14.02	100.00	.....	85.44	49.55	65.07	93.75
Louisville.....	50.36	24.50	32.73	22.82	18.78	6.02	8.73	6.57	61.19	30.55	49.84	35.28
St. Paul.....	39.94	22.47	41.67	14.08	14.46	3.26	.....	.....	52.20	29.16	75.92	28.67
Kansas city.....	7.73	8.51	13.89	9.73	2.03	3.73	19.23	.....	10.47	11.17	8.93	10.04
Indianapolis.....	58.18	32.53	32.26	22.84	27.47	12.27	12.66	4.46	70.27	40.48	46.73	82.06
Allegheny.....	43.44	29.03	23.57	16.61	9.45	71.43	52.94	35.53

CITIES OF 100,000 INHABITANTS AND UPWARD.

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The relative death rates of widowed whites of each sex 15 years of age and upward per 1,000 of corresponding population are shown by the following diagram:



Among the widowed whites 15 years of age and over the death rates for the males were decidedly greater than that of the females in every city except Detroit and Kansas city, where the numbers were so small that the ratios have little significance. The heaviest death rates among the white widowed males occurred in New York (87.56), Newark (81.03), Brooklyn (79.48), Buffalo (76.98), and Cincinnati (74.35), and the lowest, excluding Detroit and Kansas city, in Philadelphia (36.72), Minneapolis (37.63), St. Paul (39.94), Allegheny (43.44), and Milwaukee (45.21). Among the white widowed females the death rates were the greatest in New York (49.92), Newark (48.79), Brooklyn (47.04), Boston (46.40), and Baltimore (45.60), and, excluding Detroit and Kansas city, were lowest in San Francisco (21.04), St. Paul (22.47), Milwaukee (22.50), Minneapolis (22.67), and Philadelphia (27.34).

The following table shows the relative death rates due to certain causes per 100,000 persons 15 years of age and over for 22 cities, with distinction of single, married, and widowed, and of sex:

CAUSES.	CONJUGAL CONDITION AND SEX.					
	Single.		Married.		Widowed.	
	Males.	Females.	Males.	Females.	Males.	Females.
All causes.....	2,776.04	2,340.36	1,608.38	1,569.02	6,223.19	3,759.59
Consumption	257.07	179.26	374.60	341.35	875.39	352.49
Cancer and tumor.....	11.00	15.96	77.86	106.04	195.71	258.15
Diseases of the nervous system.....	204.27	262.60	217.05	180.75	770.09	494.00
Diseases of the circulatory system.....	84.42	72.37	204.07	145.40	724.03	413.09
Diseases of the digestive system.....	90.80	74.11	119.55	100.80	308.51	208.41
Diseases of the urinary system.....	51.05	32.09	150.42	105.00	581.34	239.57
Diseases of the female organs of generation.....		4.11		23.30		10.73
Suicides	10.33	2.56	30.09	7.15	79.06	6.58
All other causes.....	1,066.51	1,697.28	780.27	602.56	2,683.06	1,767.59

In computing the preceding table the unknown as to conjugal condition have been distributed proportionately both for population and for deaths.

It will be seen from the table that consumption caused heavier death rates among single, married, and widowed males than among females of corresponding conjugal conditions; that this death rate was greatest among widowed males (375.39), among married males (374.60), and among widowed females (352.49), and smallest among single females (179.26), single males (257.67), and married females (341.35).

The fact that consumption caused heavier death rates among the widowed and married than among the single is due in part to the fact that the disease is less fatal in the age group from 15 to 45, which includes a large proportion of the single, than it is at more advanced ages, and in part probably to the fact that the risk of contracting the disease is increased to the husband or wife whose partner is suffering from it.

Cancer and tumor caused heavier death rates among females than among males. The death rate was greatest among the widowed, being for females 258.15, and for males 195.71; the next greatest was among the married, females 106.94, males 77.36, and the lowest among the single, females 15.96, males 11.00. These differences in the death rates from this cause among the widowed, married, and single depend mainly upon the age distribution of the population in these 3 groups, since the mortality from these affections increased steadily with advancing age.

The death rates from diseases of the nervous system were much greater among the single than among the married, being for single males 304.27, for married males 217.05, single females 262.60, and for married females 130.75, in each case being greater among the males than among the females. It was greatest of all among the widowed, being 776.09 for males, and 494.00 for females.

Diseases of the circulatory system caused much heavier death rates among the married and widowed than among the single, and a greater death rate among males than among females, the rates being for males, widowed 724.03, married 204.07, single 84.42, and for females, widowed 413.09, married 145.40, single 72.37.

Diseases of the digestive system were also more fatal among the widowed and married than among the single, and among males than among females, the rates being, males, widowed 308.51, married 119.55, single 90.80, and for females, widowed 208.41, married 106.80, single 74.11.

Diseases of the urinary system caused much heavier death rates among the widowed than among the married, and among the married than among the single, owing to the different age distribution in the population of these 3 groups. The rates were, males, widowed 581.34, married 156.42, single 51.05, and for females, widowed 239.57, married 105.66, single 32.09.

Diseases of the female organs of generation caused heavier death rates among the married (23.30) than among the widowed, being 19.73, or among the single, being 4.11.

Suicides caused the following death rates: males, widowed 79.06, married 30.06, single 10.33; for females, widowed 6.58, married 7.15, single 2.56.

MONTH AND SEASON.

The following table shows for the aggregate of 9 cities, namely, New York, Brooklyn, Boston, Philadelphia, Baltimore, Washington, Chicago, Cincinnati, and St. Louis, the average death rates per 10,000 of population for each month of the census year, with distinction of all ages and of those under 5 years of age:

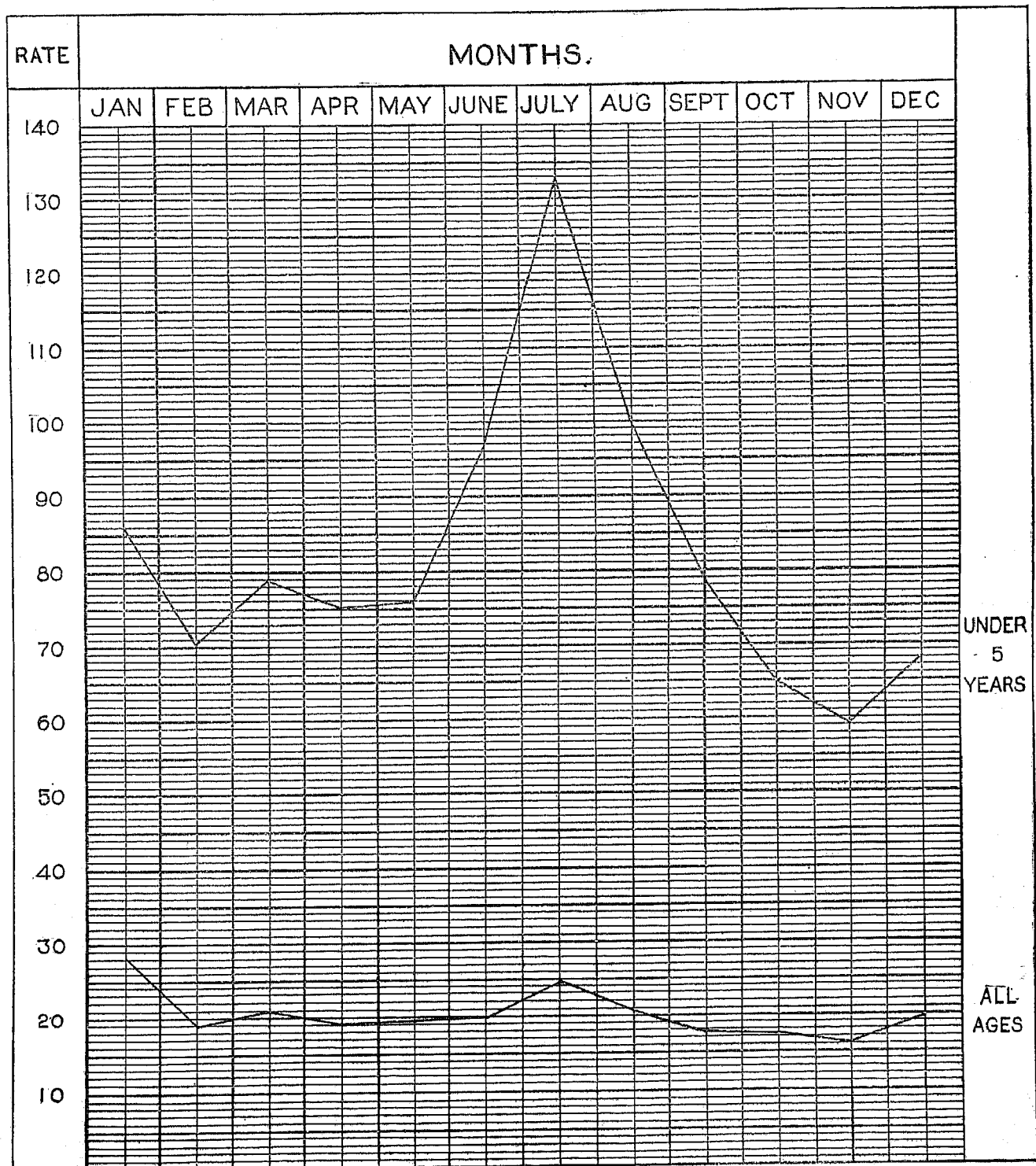
MONTHS.	RATES PER 10,000 OF POPULATION.	
	All ages.	Under 5 years.
January	28.31	86.09
February	18.86	70.53
March	20.83	78.68
April	19.09	75.00
May	19.24	75.82
June	19.85	96.82
July	24.51	132.75
August	20.89	99.56
September	17.90	78.36
October	17.58	64.89
November	16.40	59.24
December	19.06	68.06
Unknown	0.01	0.03

It will be seen from this table that in the population of all ages the highest death rate occurred in January, and for those under 5 years of age in July.

CITIES OF 100,000 INHABITANTS AND UPWARD.

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The following diagram shows for 9 cities the average death rates per 10,000 of population for each month during the census year, for the total population, and for children under 5 years of age:



The preceding table and the diagram show that the death rate was greatest in July and least in November, and that this was especially the case for children under 5 years of age.

VITAL AND SOCIAL STATISTICS.

The following table shows for the aggregate of 9 cities, by months, the proportion of deaths due to certain specified causes per 1,000 deaths from all causes during the census year:

CAUSES.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Measles.....	0.49	0.60	0.88	1.21	1.27	0.73	0.58	0.25	0.06	0.04	0.12	0.30	.....
Scarlet fever.....	0.68	0.62	0.86	0.64	0.59	1.06	0.51	0.44	0.38	0.57	0.55	0.66	.....
Diphtheria.....	3.49	3.02	3.02	2.75	2.63	3.01	2.07	2.31	2.55	3.25	3.07	3.81	.....
Whooping cough.....	0.70	0.68	0.61	0.44	0.53	0.70	0.86	0.88	0.03	0.47	0.35	0.52	.....
Cerebro-spinal fever.....	0.15	0.25	0.31	0.23	0.31	0.22	0.21	0.16	0.14	0.18	0.18	0.20	.....
Typhoid fever.....	1.04	1.79	1.57	1.08	1.17	0.97	1.43	2.44	2.29	1.81	1.55	1.61	.....
Diarrheal diseases.....	2.80	2.49	2.38	2.40	3.71	13.66	31.15	13.10	9.67	4.20	2.14	2.21	.....
Malarial fever.....	0.60	0.36	0.43	0.39	0.57	0.60	0.54	0.91	0.84	0.82	0.66	0.50	.....
Inanition, debility, and atrophy and old age.....	6.64	4.81	5.53	4.68	5.09	6.25	9.23	8.32	7.30	5.58	4.56	5.02	.....
Consumption.....	16.11	10.54	10.83	10.02	9.88	8.38	8.60	9.13	8.72	8.94	8.38	10.42	.....
Diseases of the nervous system.....	10.57	8.75	9.87	9.43	9.11	9.42	10.24	8.02	7.68	7.55	7.42	8.59	.....
Diseases of the respiratory system.....	39.71	18.00	19.06	16.70	13.68	7.86	6.14	6.26	7.12	10.85	11.55	16.65	0.01
Affections connected with pregnancy.....	0.80	0.75	0.76	0.66	0.64	0.54	0.47	0.58	0.51	0.48	0.47	0.58	.....
Accidents and injuries.....	3.32	2.08	3.08	2.98	3.38	3.51	3.90	3.58	3.26	3.49	3.05	3.22	0.01
Suicides.....	0.48	0.38	0.47	0.47	0.45	0.44	0.41	0.39	0.44	0.41	0.44	0.44	.....
Sunstroke.....					0.01	0.08	0.19	0.12	0.01				.....

This table shows that measles was most fatal in April and May, scarlet fever in June, diphtheria in December and January, whooping cough in July and August, typhoid fever in August and September, diarrheal diseases in July and August, and consumption and diseases of the respiratory system in January.

OCCUPATIONS.

The following table shows for the males 15 years of age and over engaged in certain occupations during the census year, for the aggregate of 9 cities, namely, New York, Brooklyn, Boston, Philadelphia, Baltimore, Washington, Chicago, Cincinnati, and St. Louis, the total number of deaths and the proportion from certain causes per 1,000 deaths from all causes for each specified occupation:

OCCUPATIONS.	Total number of deaths.	PROPORTION OF DEATHS PER 1,000 DEATHS FROM ALL CAUSES.								
		Typhoid fever.	Consumption.	Cancer.	Heart disease.	Diseases of the nervous system.	Diseases of the respiratory system.	Bright's disease.	Suicides.	Accidents and injuries (except burns).
All occupations.....	27,658	33.12	238.95	25.49	81.86	93.50	183.17	37.86	16.63	70.79
Clergymen.....	134	29.85	149.25	22.39	82.09	104.18	194.03	.....	7.46	7.46
Lawyers.....	221	18.10	122.17	27.15	108.60	107.42	190.05	63.35	18.10	49.77
Physicians and surgeons.....	208	24.04	120.19	28.85	105.77	153.85	206.73	57.69	4.81	24.01
Accountants, bookkeepers, clerks, etc.....	1,068	38.11	334.86	14.74	70.63	91.46	177.34	40.14	22.87	33.51
Dealers, retail.....	1,768	29.41	157.24	44.12	118.21	141.40	165.73	41.86	15.84	35.07
Saloon keepers, bartenders, etc.....	600	13.33	263.33	20.00	56.67	75.00	200.00	41.67	26.67	53.33
Barbers and hairdressers.....	246	32.52	280.49	8.13	109.76	69.11	150.41	20.33	52.85	36.59
Policemen, watchmen, and detectives.....	401	22.44	172.07	27.43	99.75	107.23	229.43	37.41	9.98	81.79
Soldiers, sailors, and marines (United States).....	114	26.32	201.75	35.09	105.26	175.44	140.35	26.32	.....	8.77
Laborers.....	6,092	35.13	219.80	21.18	72.55	80.93	210.44	33.16	8.70	94.06
Servants.....	766	23.72	321.15	6.53	83.55	69.19	177.55	36.55	10.44	61.86
Bakers and confectioners.....	378	44.97	246.03	31.75	89.95	121.69	185.19	50.26	23.81	37.04
Blacksmiths.....	324	33.95	209.88	21.60	77.16	108.02	222.22	33.05	21.60	49.38
Boot and shoe makers.....	607	9.00	193.40	35.98	110.94	107.95	172.41	53.97	17.99	44.08
Carpenters and joiners.....	1,126	40.85	201.60	29.31	81.71	108.35	153.64	28.42	18.87	84.07
Compositors, printers, and pressmen.....	397	37.78	375.31	5.04	93.20	62.97	163.73	50.38	12.59	42.82
Marble and stone cutters.....	235	20.79	340.43	12.77	55.32	63.83	225.53	20.79	8.51	42.55
Masons, brick and stone.....	475	37.89	218.95	29.47	56.84	67.37	202.11	42.11	18.95	38.42
Painters, glaziers, and varnishers.....	692	28.00	209.95	13.01	79.48	96.82	164.74	44.80	21.68	69.36
Plumbers and gas and steam fitters.....	247	28.34	237.45	12.15	101.21	89.07	190.28	40.40	8.10	72.87
Tailors.....	875	20.57	221.71	36.57	83.43	104.00	170.29	34.29	25.14	38.89
Draymen, hackmen, teamsters, etc.....	1,254	36.68	254.39	16.75	76.56	73.37	202.55	30.80	3.19	106.25
Farmers, planters, and overseers.....	321	43.61	124.61	56.07	77.88	115.26	149.53	37.38	12.46	81.00
Sailors, fishermen, and oystermen.....	489	32.92	218.11	28.81	82.30	88.48	144.03	34.98	14.40	139.62

It will be seen from this table that consumption caused about 24 per cent of all the deaths among males having specified occupations, the proportion being greatest among compositors, printers, and pressmen; marble and stone cutters; accountants, bookkeepers, clerks, etc.; and servants, and least among physicians and surgeons; lawyers; and farmers, planters, and overseers.

Typhoid fever caused the greatest proportion of deaths among bakers and confectioners; cancer and tumor among farmers, planters, and overseers, retail dealers, tailors, and boot and shoe makers; heart disease among boot and shoe makers, barbers and hairdressers, lawyers, and physicians and surgeons; diseases of the nervous system among soldiers, sailors, and marines, and lawyers, and Bright's disease among lawyers and physicians and surgeons. The greatest proportion of deaths from suicide occurred among barbers and hairdressers and saloon keepers, bartenders, etc.

The following table shows for females 15 years of age and over engaged in certain occupations, in 9 cities, namely, New York, Brooklyn, Boston, Philadelphia, Baltimore, Washington, Chicago, Cincinnati, and St. Louis, the total number of deaths and the proportion from certain causes per 1,000 deaths from all causes for each specified occupation, during the year ending May 31, 1890:

OCCUPATIONS.	Total number of deaths.	PROPORTION OF DEATHS PER 1,000 DEATHS FROM ALL CAUSES.								
		Typhoid fever.	Consumption.	Cancer.	Heart disease.	Diseases of the nervous system.	Diseases of the respiratory system.	Bright's disease.	Suicides.	Accidents and injuries (except burns).
All occupations	4,256	39.47	267.39	45.11	91.87	84.12	137.45	31.72	7.05	27.73
Teachers	118	93.22	322.03	25.42	59.32	67.80	101.09	42.37	8.47	16.95
Accountants, bookkeepers, clerks, etc.	63	111.11	317.46	47.62	79.37	31.75	63.49	47.62	.....	79.37
Laundresses	298	13.51	219.59	37.16	172.30	101.35	162.16	30.41	.....	13.51
Nurses and midwives	133	67.67	142.86	52.63	75.19	150.38	157.89	15.04	15.04	30.08
Servants	2,661	34.05	264.94	43.22	89.06	90.19	127.77	33.82	5.64	27.43
Dressmakers and seamstresses	406	39.41	315.27	51.72	88.67	64.04	155.17	27.09	4.93	29.56

This table shows that among the females having specified occupations, consumption caused about 26.7 per cent of all the deaths, the proportion being somewhat greater than for the males. It was most fatal among teachers, accountants, bookkeepers, clerks, etc., and dressmakers and seamstresses.

The proportion of deaths from typhoid fever was high among the accountants, bookkeepers, clerks, etc., and teachers. Cancer caused the greatest proportion of deaths among nurses and midwives and dressmakers and seamstresses.

CAUSES OF DEATH.

Of the total 225,968 deaths from all causes reported in the 28 cities for the census year, 37,873 were due to diseases of the respiratory system, excluding consumption, which caused 26,069 deaths; and including pneumonia, which caused 21,344 deaths, 24,980 were due to diseases of the nervous system, 20,875 to diarrheal diseases, including cholera infantum, 11,303 to diphtheria and croup, 5,164 to typhoid fever, 5,139 to cancer and tumor, 3,947 to Bright's disease, 1,727 to measles, 1,671 to whooping cough, 1,662 to scarlet fever, 1,706 to childbirth and puerperal diseases, 1,204 to suicides, 9,802 to diseases of the digestive system, and 9,596 to accidents and injuries, including suicides.

The corresponding death rates per 100,000 of population were: diseases of the respiratory system, 309.53; consumption, 268.81; diseases of the nervous system, 257.58; pneumonia, 220.09; diarrheal diseases, 215.25; diphtheria and croup, 116.55; diseases of the digestive system, 101.07; accidents and injuries, 98.95; typhoid fever, 53.25; cancer and tumor, 52.99; childbirth and puerperal diseases, 17.59; Bright's disease, 40.70; measles, 17.81; whooping cough, 17.23; scarlet fever, 17.14; suicides, 12.41.

Table 1 shows for the cities of 100,000 population and upward in the United States, the population on June 1, 1890, Table 3 shows the number of deaths during the census year in each city from each of certain specified causes, and Table 4 shows the corresponding death rates per 100,000 of population.

The following table shows for the 28 cities and for their aggregate the death rates during the census year from each of certain causes for certain age groups per 100,000 of corresponding population, the cities being arranged in alphabetical order:

CITIES AND CAUSES.	All ages.	Under 1 year.	Under 5 years.	Under 15 years.	15 to 45 years.	45 years and over.
Summary of 28 cities:						
All causes.....	2,330.06	30,879.58	9,346.51	3,787.60	1,071.63	3,818.58
Measles.....	17.81	208.87	147.68	58.85	0.50	0.10
Scarlet fever.....	17.14	40.00	105.75	54.81	1.21	0.26
Diphtheria and croup.....	116.65	356.95	731.45	377.88	5.09	3.19
Whooping cough.....	17.23	395.19	151.12	57.22	0.08	0.20
Typhoid fever.....	53.25	25.94	22.64	25.69	72.03	34.63
Diarrheal diseases and cholera infantum.....	215.25	6,033.39	1,637.79	609.25	21.17	130.92
Malarial fever.....	18.80	58.47	83.58	20.10	14.58	30.42
Stillbirths.....	168.23	7,171.93				
Inanition, debility, and atrophy.....	144.16	4,342.72	1,018.88	374.64	5.74	170.70
Tubercular diseases.....	357.81	1,055.94	674.29	300.15	808.15	431.84
Consumption.....	268.81	214.08	99.24	58.94	348.12	395.08
Scrofula and tabes.....	6.74	108.53	35.85	14.60	3.15	4.08
Hydrocephalus.....	19.80	379.81	152.35	62.14	1.79	1.28
Inflammation of the brain.....	58.12	943.56	380.82	157.89	12.24	25.03
Diseases of the bones and joints.....	4.34	10.11	6.13	6.57	2.88	5.10
Cancer and tumor.....	52.99	7.03	5.38	3.27	23.99	241.62
Diabetes.....	4.67	1.32	0.94	1.14	2.40	18.75
Diseases of the nervous system.....	257.58	3,985.34	1,215.00	477.65	59.22	500.44
Diseases of the circulatory system.....	130.81	486.19	118.58	63.87	68.89	464.04
Diseases of the respiratory system.....	390.53	3,726.42	1,605.91	648.23	153.02	703.74
Pneumonia.....	220.09	1,578.57	690.47	285.63	121.29	428.20
Diseases of the digestive system.....	101.07	914.35	274.41	113.47	54.21	238.96
Diseases of the urinary system.....	83.85	71.21	84.81	21.40	52.92	290.58
Bright's disease.....	40.70			3.03	27.83	153.48
Affections connected with pregnancy.....	64.80				64.80	
Childbirth and puerperal septicæmia.....	647.49				647.49	
Accidents and injuries.....	98.85	801.56	118.10	72.08	91.63	169.50
Suicides.....	12.41			0.03	13.04	33.03
Allegheny.....	2,015.44	25,342.73	7,799.82	3,228.58	872.38	3,420.51
Measles.....	20.90	274.19	159.01	65.28		
Scarlet fever.....	18.05	39.17	117.16	56.38		
Diphtheria and croup.....	121.57	470.04	652.77	359.09	7.22	18.73
Whooping cough.....	15.20	235.02	133.90	47.48		
Typhoid fever.....	182.36	39.17	33.48	103.86	251.06	112.35
Diarrheal diseases and cholera infantum.....	170.95	4,347.83	1,272.07	454.02	19.87	99.87
Malarial fever.....	4.75			5.93	1.81	12.48
Stillbirths.....	198.51	8,186.45				
Inanition, debility, and atrophy.....	101.68	2,271.84	577.45	204.75	10.84	199.74
Tubercular diseases.....	227.00	1,566.78	585.82	264.10	207.71	212.22
Consumption.....	147.22	117.51	58.58	47.48	193.26	103.50
Scrofula and tabes.....	1.90	39.17	16.74	5.93		
Hydrocephalus.....	10.45	274.19	92.06	32.64		
Inflammation of the brain.....	66.48	1,135.92	418.45	178.05	12.04	18.78
Diseases of the bones and joints.....	0.95				1.81	
Cancer and tumor.....	41.79				25.20	187.25
Diabetes.....	2.85			2.97	1.81	6.24
Diseases of the nervous system.....	264.99	4,736.52	1,414.34	540.08	27.09	511.83
Diseases of the circulatory system.....	94.98	509.20	117.16	50.45	27.09	424.44
Diseases of the respiratory system.....	381.47	2,624.36	1,154.91	480.73	108.37	702.71
Pneumonia.....	208.00	1,440.28	636.04	270.04	93.92	474.38
Diseases of the digestive system.....	68.48	391.70	125.53	56.38	41.54	174.77
Diseases of the urinary system.....	35.14	39.17	8.37	11.87	10.87	191.08
Bright's disease.....	17.10			2.97	12.04	56.18
Affections connected with pregnancy.....	647.09				647.09	
Childbirth and puerperal septicæmia.....	621.73				621.73	
Accidents and injuries.....	87.38	117.51	66.95	68.25	75.86	162.29
Suicides.....	18.05				14.45	68.06
Baltimore.....	2,474.92	38,394.91	11,031.91	4,142.98	999.87	3,818.19
Measles.....	53.17	690.23	457.14	171.00	1.35	
Scarlet fever.....	18.53	31.31	83.83	43.50	0.45	
Diphtheria and croup.....	55.93	208.72	376.97	174.00	4.05	2.54
Whooping cough.....	11.97	260.91	101.83	89.00		
Typhoid fever.....	46.50	41.74	19.50	24.00	62.94	38.13
Diarrheal diseases and cholera infantum.....	307.06	8,703.82	2,394.00	850.50	27.42	170.07
Malarial fever.....	28.08	73.05	39.00	24.00	18.88	61.01
Stillbirths.....	185.99	8,432.43				
Inanition, debility, and atrophy.....	172.64	5,812.08	1,297.74	451.50	4.05	170.67
Tubercular diseases.....	373.82	1,607.18	695.45	293.50	370.75	503.93
Consumption.....	293.02	240.03	147.32	77.25	361.01	406.47
Scrofula and tabes.....	9.21	156.54	49.83	21.00	3.00	5.08
Hydrocephalus.....	21.87	375.70	166.82	66.00	3.15	
Inflammation of the brain.....	44.66	814.03	327.14	123.00	6.29	20.34
Diseases of the bones and joints.....	5.06	20.87	4.33	5.25	2.70	11.44
Cancer and tumor.....	61.92	10.44	4.33	4.50	21.58	273.27
Diabetes.....	3.68			0.75	1.80	13.98
Diseases of the nervous system.....	269.54	4,132.75	1,182.92	429.75	52.15	612.04
Diseases of the circulatory system.....	116.93	407.01	99.66	48.00	58.45	399.11
Diseases of the respiratory system.....	351.26	3,590.06	1,637.89	630.00	110.15	560.53
Pneumonia.....	202.10	1,868.09	853.81	326.25	82.72	320.20
Diseases of the digestive system.....	122.92	1,623.05	530.80	194.25	50.55	207.18
Diseases of the urinary system.....	77.34	83.49	30.33	19.50	49.45	254.21
Bright's disease.....	46.96			4.50	39.72	150.94
Affections connected with pregnancy.....	64.82				64.82	
Childbirth and puerperal septicæmia.....	631.99				631.99	
Accidents and injuries.....	92.76	469.63	164.66	93.00	76.43	138.54
Suicides.....	6.21				6.74	15.25

a Per 100,000 females 15 to 45 years of age.

CITIES OF 100,000 INHABITANTS AND UPWARD.

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DEATH RATES FROM CERTAIN CAUSES—Continued.

CITIES AND CAUSES.	All ages.	Under 1 year.	Under 5 years.	Under 15 years.	15 to 45 years.	45 years and over.
Boston	2,478.83	32,028.77	10,203.01	4,075.15	1,211.31	4,074.94
Measles.....	3.57	68.06	32.42	14.15	.....	.....
Scarlet fever.....	7.36	56.72	30.30	25.64	1.60	.....
Diphtheria and croup.....	142.26	408.85	1,037.51	542.88	8.40	3.51
Whooping cough.....	21.97	612.52	274.34	99.03	.....	.....
Typhoid fever.....	39.80	22.09	7.48	15.03	56.21	22.25
Diarrheal diseases and cholera infantum.....	109.12	7,180.13	1,875.50	675.51	10.80	119.44
Malarial fever.....	2.08	.....	.....	1.77	2.40	4.68
Stillbirths.....	134.08	6,851.18	.....	.....	.....	.....
Inanition, debility, and atrophy.....	136.91	5,331.22	1,270.43	458.89	4.00	99.53
Tubercular diseases.....	485.42	2,416.06	1,062.45	475.69	498.45	460.19
Consumption.....	375.72	351.63	177.08	108.75	476.44	434.43
Scrofula and tabes.....	9.14	102.83	54.87	22.99	4.00	5.85
Hydrocephalus.....	40.36	759.98	381.58	153.85	2.40	1.17
Inflammation of the brain.....	51.28	1,100.27	433.06	173.30	9.20	12.88
Diseases of the bones and joints.....	8.92	11.34	14.00	10.80	6.40	5.85
Cancer and tumor.....	79.88	11.34	7.48	4.42	94.40	310.30
Diabetes.....	5.80	.....	.....	0.88	2.80	21.03
Diseases of the nervous system.....	222.75	2,495.46	842.08	331.56	57.61	502.06
Diseases of the circulatory system.....	170.72	510.44	122.21	64.54	86.41	605.80
Diseases of the respiratory system.....	408.94	3,765.88	1,583.70	620.69	176.02	310.80
Pneumonia.....	251.29	1,610.71	673.88	270.50	144.01	539.81
Diseases of the digestive system.....	89.41	657.89	209.50	89.30	50.81	185.01
Diseases of the urinary system.....	81.16	56.72	22.45	14.15	43.60	279.80
Bright's disease.....	32.55	.....	.....	0.88	17.20	110.44
Affections connected with pregnancy.....	445.81	.....	.....	.....	445.81	.....
Childbirth and puerperal septicæmia.....	431.06	.....	.....	.....	431.06	.....
Accidents and injuries.....	100.04	487.75	104.80	80.46	95.61	186.18
Suicides.....	12.04	.....	.....	.....	12.80	25.76
Brooklyn	2,553.88	32,442.73	10,021.91	4,090.84	1,131.73	4,141.74
Measles.....	7.44	83.40	58.36	23.81	0.24	.....
Scarlet fever.....	19.10	36.53	118.42	59.72	1.42	.....
Diphtheria and croup.....	169.41	292.23	1,060.44	540.27	5.21	3.66
Whooping cough.....	20.83	407.08	181.70	60.98	0.24	0.73
Typhoid fever.....	24.06	.....	4.40	10.89	35.31	13.18
Diarrheal diseases and cholera infantum.....	234.89	6,820.44	1,772.91	658.09	18.98	131.05
Malarial fever.....	25.07	41.75	89.64	23.40	20.86	44.66
Stillbirths.....	165.81	6,956.11	.....	.....	.....	.....
Inanition, debility, and atrophy.....	149.82	4,879.10	1,162.85	428.50	8.06	79.97
Tubercular diseases.....	401.44	2,037.30	846.81	373.68	412.88	416.59
Consumption.....	288.34	203.74	93.00	52.05	306.05	384.38
Scrofula and tabes.....	2.73	67.84	10.82	7.67	0.24	1.46
Hydrocephalus.....	16.02	412.25	133.24	51.65	1.19	0.78
Inflammation of the brain.....	90.41	1,382.87	594.64	254.00	14.22	27.82
Diseases of the bones and joints.....	3.85	15.66	5.51	7.67	1.19	2.20
Cancer and tumor.....	48.24	5.22	2.20	1.61	18.96	223.30
Diabetes.....	3.10	5.22	2.20	1.21	1.19	12.45
Diseases of the nervous system.....	295.41	4,170.93	1,351.13	544.30	60.01	568.14
Diseases of the circulatory system.....	157.25	902.78	200.42	101.68	76.55	507.38
Diseases of the respiratory system.....	506.73	4,132.96	1,791.63	744.03	212.31	932.54
Pneumonia.....	280.40	1,388.00	659.61	287.28	109.70	610.61
Diseases of the digestive system.....	117.67	954.97	303.93	130.33	59.73	273.09
Diseases of the urinary system.....	121.16	88.71	48.45	31.47	82.24	404.14
Bright's disease.....	60.64	.....	.....	3.63	40.77	225.50
Affections connected with pregnancy.....	404.44	.....	.....	.....	404.44	.....
Childbirth and puerperal septicæmia.....	451.09	.....	.....	.....	451.09	.....
Accidents and injuries.....	64.86	168.90	75.98	43.17	55.43	180.32
Suicides.....	9.67	.....	.....	.....	7.82	32.95
Buffalo	1,989.72	27,404.82	7,505.77	3,108.80	310.59	3,554.50
Measles.....	5.48	72.65	42.54	16.28	.....	.....
Scarlet fever.....	10.95	29.06	66.85	32.55	.....	.....
Diphtheria and croup.....	80.05	479.51	513.55	254.61	0.76	.....
Whooping cough.....	26.09	741.06	203.60	80.22	.....	.....
Typhoid fever.....	31.29	14.58	15.10	15.11	44.90	21.06
Diarrheal diseases and cholera infantum.....	233.51	5,681.49	1,537.62	597.58	17.54	157.98
Malarial fever.....	9.39	58.12	21.27	9.30	6.86	18.43
Stillbirths.....	151.76	5,637.90	.....	.....	.....	.....
Inanition, debility, and atrophy.....	149.81	3,661.73	784.00	301.11	3.05	315.06
Tubercular diseases.....	249.94	1,031.68	416.31	203.46	255.45	339.65
Consumption.....	189.18	174.87	54.70	41.85	248.30	308.06
Scrofula and tabes.....	5.87	101.71	33.43	12.79	3.05	.....
Hydrocephalus.....	15.25	208.49	88.12	49.02	0.70	2.63
Inflammation of the brain.....	41.07	552.17	240.06	103.47	5.34	23.70
Diseases of the bones and joints.....	1.56	.....	.....	2.38	.....	5.27
Cancer and tumor.....	49.07	.....	.....	1.16	22.88	252.76
Diabetes.....	7.52	.....	.....	2.33	2.20	10.53
Diseases of the nervous system.....	213.17	3,065.97	847.82	344.13	44.99	500.28
Diseases of the circulatory system.....	100.52	494.04	118.51	52.32	51.85	379.15
Diseases of the respiratory system.....	309.39	3,196.75	1,224.68	501.08	95.32	618.75
Pneumonia.....	159.98	1,380.41	498.36	205.78	73.20	358.08
Diseases of the digestive system.....	79.79	581.23	173.21	74.41	41.18	226.43
Diseases of the urinary system.....	43.89	58.12	18.23	9.30	29.74	206.37
Bright's disease.....	23.08	.....	.....	2.33	14.49	100.05
Affections connected with pregnancy.....	454.36	.....	.....	.....	454.36	.....
Childbirth and puerperal septicæmia.....	438.83	.....	.....	.....	438.83	.....
Accidents and injuries.....	113.43	624.82	170.17	98.82	102.18	186.94
Suicides.....	7.82	.....	.....	1.16	9.91	15.80
Chicago	2,105.92	28,590.88	3,558.56	3,748.03	888.07	3,093.85
Measles.....	5.86	59.79	37.65	13.04	0.17	0.68
Scarlet fever.....	13.37	43.18	96.00	52.08	2.35	0.98
Diphtheria and croup.....	140.47	382.01	731.62	421.67	6.56	4.10
Whooping cough.....	13.37	259.10	100.86	41.38	.....	.....
Typhoid fever.....	72.10	56.47	89.07	38.85	95.65	58.71
Diarrheal diseases and cholera infantum.....	254.31	6,457.61	1,778.62	717.24	18.83	93.53

a Per 100,000 females 15 to 45 years of age.